

gaagaatgtg gcattttacct ggggtgaaaa acaagagcaa gccttttgctt tgctcaaaga 120
aaagcttact aaggcacctg ttctagctct tcctgacttt tctaaaactt ttgagctaga 180
atgtgatgcc tctggagtgagg gagttggagc tgtattgtta caaggtgggc accctattgc 240
ttatttttagt gaaaaacttc atagtgccac cctcaactac cccacctatg ataaagagct 300
ttatgcctta ataagagccc tccaaacttg ggaacattac ct 342

<210> 12047
<211> 301
<212> DNA
<213> Glycine max

<400> 12047

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tctcgagaaa ttcaaatggt cataactttt cactcggagg tccgattcaa ttgcataata 180
tatcgaaact ctcgaaattg aacaacggaa gctctcgaga aattcaaatt gtcataactt 240
ttaactcgga tgtcagattc aggcgcataa tatatcgaga tgctcgaaat tgaacaacgg 300
a 301

<210> 12048
<211> 370
<212> DNA
<213> Glycine max

<400> 12048

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tcaaactcta aaattcgagc tcctaggagg caaaacaatg tgtgtctcct agagagggca 180
tcagctacca catttgtttt tccctttttg tatttgataa catatggaaa ttgctctagg 240
tactctaccc attttgcatg cctcttgttt aacttgcttt gccctctaatt gtacttaagt 300
gatcgatgat cactatgaat gacaaattcc ttggaaacaa agtaatgttc ccaagtttgg 360
agggtcttta 370

<210> 12049
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 12049

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 ccagagcatt tcttgctgtg atagctggat acaagacagc cactgttctc ctcaataaaa 120
 tgcatttgtg catttttcaa gcaccgatat cattatttga tgccacccca agtgggtcgaa 180
 tcctttatag agcatgtcat aatattgcat aatccttcat tggactaatt tgaagagaga 240
 actcctttac ctgatatatg gcttagcgca ttgtttttta gaagacgact tctctctttt 300
 tatttcctca tgaccataat gaatgtaatt ggtggctaaa acctagattt actttatct 359

<210> 12050
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 12050

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 gatcgattac tagtaaggaa ttttcaaaaa taactcccaa tagtcacaac tattcaaaaa 180
 gtttttgaat ggttatcaaa ggcctataaa taggtgactt gggacatgaa attttttaag 240
 agagtttttc tgaacaaatt gtcttatcct ctcaatacaa aattgtctta taactctcaa 300
 aatattcctt ggccaaaata cttgcaaatt caacaaggaa tcttgattga tcttcaattg 360
 taatatcctt ctcttaag 378

<210> 12051
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 12051

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 tgagggtaga tttctgagcc catgggcca tggtgggtcc aattatgttt gtacatatta 120
 gactaggatg tcattatatt tggctcttgt atttaacact ccataatgta agtagggtag 180

cttaaaaata taggattttt caactctggg attttagggc acctagacta ggtattgtat 240
aaggggtaga ttagaatttc acatgcacta agtgaatatt tgatgtgagt gctgggaaat 300
aaaaat 306

<210> 12052
<211> 374
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12052

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agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120
attgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagt aaagcataac tatagaaaaa 240
cctatagata gatggctga agaggataga aaacgagtag aatacaactt aaaagccaaa 300
aacataataa catctgccct gngaattggat gaatatattcagggtttcaaa ttgtaagagt 360
gctaacgaaa tgtg 374

<210> 12053
<211> 346
<212> DNA
<213> Glycine max
<400> 12053

tctaaacttt gttcattatg aagctctgat atttcttggt agacaagtgg cctcagatat 60
cttaagaagg ggggggtgaa ttaagatatt cgaaactttt tcccctaatt aaaaatctat 120
cttacttttt acttaagtta tgaattccct taatgacaat cttcttaaattt attaatcaaa 180
atgaagcaac ttgaatatga atataaagca ataataaata aaggagatta agggaagaga 240
aaatgcaaac tcagttttat actgggttcgg ccacaccctt gtgcctacgt ccagtcccca 300
agcaaccgcg ttgagagttc cactaacttg taaattcctt ttacaa 346

<210> 12054
<211> 331
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12054

agaggcattt gaggagctga ggaggaggct taccaccttt tccatcatgc aaccattaga 60
atgggagcctt ccattgtgaat atatgtgaga agcctccaaa tatgcactcg gggaagttct 120
cgacaagaga gttgatagac tatcacatgt cattgggttac gcctcaccac tctggatgca 180
aaccangtca actacaccac ccccgaaaaa gagattgtag ctattatttt tgcattagat 240
aaattcagat ctgtatttgt tcgtcctat attactattt gtactgacca tgcaggcttg 300
agatacttgt tgaagaaacc taatgctaaa c 331

<210> 12055

<211> 326

<212> DNA

<213> Glycine max

<400> 12055

tcaaccccat atgtgtattt tttagtgttg aggcgcattg tatacttgcg aatctctctg 60
aacacctatt ccaagactgt gatgtgttgg gtcattgtat aagacttgac agccattgca 120
tcaacataga cctcgatatt tcattcctatt ttttgtttgg agaccgggtc catgagcctt 180
tggtacgtgg cccctgtgtt cttcaatcca aagggcataa ccattgtagca gaaattgatg 240
tcttcaatta tgaaggcaat tttttcctcg tcgggagggt gcattcctgat ctgggttatac 300
cctgagtagg catctaggaa acttaa 326

<210> 12056

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12056

tgtttaccn ataagaattt gctttctatt tagctgttca tagcaccact aattgttctc 60
cttttgaagt tgtttatggt ttttaaccac taactcctct tgattctttg cctatgccta 120
atgtttctgt ttttaagcat aaagaaggct aagcaaaggc ggactatgtg aagaagcttc 180
atgagagagt caaagatcaa attgagagga aaaataaaag ctatgctaaa caagccaaca 240

aagggagaaa gaaggttgtc ttctaaccgc gagattgggt ttgggtgcac atgagaaaag 300
aaaggtttcc ggaacaaagg aaatcaaagc ttcaaccaa 339

<210> 12057
<211> 238
<212> DNA
<213> Glycine max

<400> 12057

agcttctaga tgagttttgt ttgtttttct gacatcctgc gaaaagtat aatcatttga 60
attttctccag cgctcccggt gcttaatatc gagcgtctag atattttatg tactcgaatg 120
gtacatcggg gcgaagcgtt atgacccttc gattttgtcg agagcttccg ccattcaatt 180
tccaacggcc aaatgaagta tgtcctccaa ccaaacattt gagggaaatg atatgacc 238

<210> 12058
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12058

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gccttgattt tctcagggtc cacttggacc ccatttctac caactacaaa ccctaagaaa 120
actatattat ctacacaaaa ggtacacttc tctatatttg tagagagggg gtttttcccta 180
aggactgaaa gaacttgcct gagatgtcct tagtgatcat ctaggctcct actatacact 240
aaaatatcat caaaataaac aactacaaat ctacctatga aatcccttaa gacatgatgc 300
ataagcctca taaaggtggt tgggtgcatta gtgagccc 338

<210> 12059
<211> 348
<212> DNA
<213> Glycine max

<400> 12059

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ctaattgtta aatattatta ctagctgttg ttgagaatag ggattagtgt ttaatttctg 120
attatatatg gcattattgg ttctgttgct ctctgggtta ttttatttgt gaccctaaat 180

cattgtaggt gtggggaaga gttgtctact tttagaggtt tctgatggct cattcacaac 240
aagttttatc accaccattg ggtagtata ttatgtgtag acacctttt tttatcgctt 300
gtgaaaaatg ctgcagctgt ttctgtctt gtttcaagat tcttacat 348

<210> 12060
<211> 340
<212> DNA
<213> Glycine max

<400> 12060

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ttcggcccat ttccattct ggaacgcatt ggcagcgtt cttaccgtt gcaactacct 120
gaaggggtctc gtatccacc cgtcttccat tgttcttac tacgccctca tcacagacct 180
cttgacctcc caacctctc ccttccggcg gatacttct cccacacccc tatacttgag 240
ccactagcca tccttgactc tcgaatggac ttctctgtgg accccccaac tcgtttcggt 300
cttgttcaat gggttggtct tcctccggaa gactccacgt 340

<210> 12061
<211> 322
<212> DNA
<213> Glycine max

<400> 12061

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cttgcagggtg aagatcctct taagcatctt aaggagttcc atattgtttg ttccaccatg 120
aagccccctg atgtccagga agatcatatc tttctaaagg cttttcctca ttctctggag 180
ggagtggcaa aagattggct atactacctt gctcccaggt ccatttttag ctgggatgac 240
cttaagaggg tgttcttggg gaaattcttc cctgcatcta ggaccactgc catcagaaaa 300
gacatttcaa gcatcaggca ac 322

<210> 12062
<211> 348
<212> DNA
<213> Glycine max

<400> 12062

tcggacaact aattttacga acataaactt atatgaatta attattatatt ctataactaac 60
aagacacata tatttttttta gtaattttatc acttaacaat tttataattt agtgaactta 120
acttgaaata attaggggaa gagtgatata ttaaaaaaaa tttccataaa acccgtcagt 180
aagtaaaaat atgctaaaat atctcatatt aattggtaga tataatcaat gacttgagta 240
aattacaata taaagcgtga ataatcgaaa tgttaactcc aaggatcatt acaatataaa 300
ttatgaatta tatgtcaaca ctttaaaaac ttaattttat tattaataa 348

<210> 12063
<211> 360
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12063

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agatgggaga agaacgactc aaagctttca gagaagaagt agaaaaactc cttaatgcta 120
acttcatcag aaaagttaga tactccacat ggctcgccaa tgacaaatgg cgaatgtgca 180
caaactatac tgatctgaat aggggtgtgcc ccaaagatgc aatcctctgc ccaacattga 240
catgctagcc gatggagcgt ctgggctcta ggtgctaagc ttcttagaca cttgttctgg 300
atacaactag attagaatgc acgctagaga cgaggagaaa atgagattca tcaactgaaga 360

<210> 12064
<211> 344
<212> DNA
<213> Glycine max
<400> 12064

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atcattggaa ttaatgaatt cagtgaacaat ctcttttagac agtagcttct cccgaataaa 120
gtgacagtca atctctatgt gcttggttct ctcatggaag actggatttg aagcaatatg 180
aagagcagcc tgattatcac aatacaactt catttgcac actttgcaga atttcaactc 240
ttcaagaatt tgtttgaccc acataagttc acatgtagct acatccatag atctatattc 300
aacctctgca ctgatctag caacaacagt ttgcttctta cttt 344

<210> 12065
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 12065

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agctttttatc atgcaactta cccatgtaaa actccaattc ttattaaataa gcaacataaa 60
aaacatataa agaattacat ctaagtttta tttttatcat tattagtagc acaaaaactta 120
gatgcagttt cataaatatt ttgtgtgggt ctttgatcaa aattagagct ttaccctaata 180
aacttgtaac ttataatgac ttttaaatgta aatcttttatt acaaggaagt gaaactcaaa 240
ctactattgg agaacaacaa gttaatcatg atgatgtaaa aatttgatg tgtatgatta 300
tttttttgat attgatatga atgattttatc agttttatta ataactaata tttataagaa 360
aacttaactg atttaccttt a 381
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<210> 12066
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 12066

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gcatacatca aactgtttca aaaagtccaa ctatcatttt attcttaata aatgggagtt 120
accagtataa aataaactat ggctgcaaaa ttgtacttca aaaaaatata aaatataacc 180
tgatcaaaga catcaatata gacttggtgc agagaatgag aactgcagaa ctgattaatc 240
tcatgatgaa tcttgtcata tatccatgtc ttatcataat gtacaccata gttgagcaat 300
gtctcaaaga caaatcctt atggagttga ttcacaacct aaaagaagaa tatgcatcac 360
tgctatgaaa ttattgaaga tgtga 385
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<210> 12067
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12067

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tctcctctac caattgcac aaaagaat tttcggtttt ttttctcaat ccttgagcaa 120
catattaata ccaagagaga ccatttatat gtgtgatttt aagagaaaga attgtctact 180
cttatataag aattatgccc aatttgaaat ttattttattg atctatcttt atatattatt 240
tttattacct gtaattataa tcatctttta ccaattnaat atattattat actaacattt 300
ttttcaaaat aaaaattaca atctattata ttaaaata 338

<210> 12068
<211> 341
<212> DNA
<213> Glycine max

<400> 12068

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gtaattaata cagtaattaa taatatatga catagcttat cctttccatt taactatgtg 120
aatgtgattt tttcgaaggc cacattacca gatggacaag atattgcagt caaaaggcct 180
tcacaaacat ctacacaagg attaacagaa ttttaagaatg aagttatatt ttgttctaaa 240
cttcaacatc gaaatcttgt taaagttctt ggttggttgc tcaatgagca ggagaaatta 300
ctcatctatg agtacatgcc gaacaaaagc ctagacttct t 341

<210> 12069
<211> 367
<212> DNA
<213> Glycine max

<400> 12069

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gatcatcaag acaaagggaa aaattattga gagcgaagaa aaagatctag agctaccttt 120
gtttgatttt gagacaatag catttgctac tagtgacttc tcaagtgaca acatgcttgg 180
gcaagggtggt tttggccctg tatacaaagt acgtatgcaa ctagtttctt tgcaattaaa 240
agctaagaac aaacaaagaa catagcctga ccttttctgt ttgtcattta ccttctttgt 300
aaatgtgaat ttttaagggc acgttaccag actgacataa tattgcagtc aaaggctttt 360
atatcat 367

<210> 12070
 <211> 264
 <212> DNA
 <213> Glycine max

 <400> 12070

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 cggaatggag aaggaagaga gagaggagac gccacttcaa ggagaagatg agtttagaaa 120
 aagctcacca ccataggagg tcatggataa gagcctggag gaagaagatg aatgaaggga 180
 gagggagaga agagcaggaa attttgtgct ctaaaagagc tctaaaatct gaagtttaat 240
 attcaaatga tcaaagttga aaaa 264

<210> 12071
 <211> 266
 <212> DNA
 <213> Glycine max

 <400> 12071

 tctgaaagct ggaatcattt atcctatctc cgacagccaa tgggtgagtc ccgccaggt 60
 agtccogaag aacaccggcc tcacagttgt aaaaaatgag aaggaggagc tgattcctac 120
 tcgggtgcac aacagttgga gagtctgcat tgactatagg aagttgaacc aggttaccaa 180
 aaaggacat tttcccctac ctttcattga ccagatgctt gaacgtctgg ccggtaaaatc 240
 aactactgg tttcttgatg gctttt 266

<210> 12072
 <211> 255
 <212> DNA
 <213> Glycine max

 <400> 12072

 catcatagga gctgtgcacg tcaaacagag ggggattcca actcttatag gtgactttga 60
 gcagctgttt atggaggagt ccgagtcaat tgctgattat ttttctccag tattggccgt 120
 actcaatcaa cttaaaataa atggtgaaga tgttgatgag gtgaccgtca tggaccatat 180
 acttctaact ttaaattccc gtattgactt cttgttgcc agcattgaac actactggga 240
 ttttgagacc atgac 255

<210> 12073
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 12073

ttgagcaaat tcaaacgaca ataacttttt actccgatgt ccgatttgtt cccttagtat 60
 atcgagactc tcgtaattga aaacagaagc tcgtagcaaa ttcaaacgac aataactttt 120
 tactcagatg tccgattatg tcccgtagtt tatccatacc ctcgtaattg aaaacagaag 180
 ctcgtagtaa attcaaacga caacaacttt taactcagat gtccgattga gtgctctaata 240
 atatcgagac gctcgaaatt gaaaat 266

<210> 12074
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 12074

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 aattttctta gagcttccgt tttaactacg agcggctcga tatattacgg gactgaatca 120
 gacatccgag gaaaacgttt ttgtcgtag aatttgctca gagcttttgt tttcaataatc 180
 aagcgtctcg ttatattacg ggacttaatt gtacatctga gttaaaattt aatgggggttt 240
 gaatttgcta cgaccttctc tttgcaat 268

<210> 12075
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 12075

agcttaaaca ttcttttttcg agcgtctcga tatattacga gtctcaatca gacatccgag 60
 taaaaagtta tggtcgtttg aattggctca gagcttcaac attcaatttc gagcgtctcg 120
 atatatttcg ggactcaatc agacatccga gtaaaaagtt gttgtcgttt gaattcactc 180
 agaggttcaa cattcaattt tgagcgtctc gatatatgac gggacttaat cagacatccg 240
 agtaaaaagt tattgccgtt tgaat 265

<210> 12076
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 12076

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 agctgcttga tattgagtgg ttagggccac tctagaactg catgcgcctt agtagcatcc 120
 atagcaactc cttcacctga aactatatgt cccaagtact ctatctccaa tacaccaaaa 180
 gagcatttat acaacttagc aaacaaaaca tttctttcaa tactttgaat acaaccttta 240
 tatggcataa gtgttcacg 259

<210> 12077
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 12077

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 agcgatggag gtggtgaagg gtctggacgt gaaacggtac atgggtcggg ggtacgagat 120
 tgcgtgtttc ccgtcgaggt ttcagcccag tgacggcgtc aacaccagag ccacctacgc 180
 tctcagagat gacggcaccg tcaacgttct caatgagact tggagtggcg gcaaaagaag 240
 cttcattgag ggcactgct 259

<210> 12078
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 12078

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 cctggttcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgcattt 120
 ttcttttcaa tttgaacctt cacttgcctc tgcaacttct tcacatactc agcttttagcc 180
 tgtgcactct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
 aaaggattaa atccatacac tatctc 266

<210> 12079
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 12079

agcttgggtga cctttcacac tatatccact caaattccca taagctggaa agtcattaat 60
 ggtgcaaaat atcatcgcat gcaacctaaa agtctcacc tgatttgcac catacacatc 120
 aaccccgctc acctaaaact tacgcatgac ttcaatcaaa ggagtaaggt acatatcaat 180
 atcgtttcct ggctgtcttg gacgtgatat catcatagac aacataatgt atttgcgctt 240
 catgcataac gaaggaggaa ggt 263

<210> 12080
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 12080

tcttcacata gtccgccttt gcttgactct tctttatgct taaaaacaga aacattaggc 60
 ataggcaaaa gatcaagagg agttagtggg ttaaaacat aaacaacttc aaaaggagaa 120
 caattagtgg tgctatgaac agctctattg taagcaaatt caacatgggg taaacaagct 180
 tcccaagttt ttaagttctt cctcaaaact gtcctaagca aagttcccaa agtcctatta 240
 acaacttccg tttgcccatc ggtttgtg 268

<210> 12081
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 12081

agctttatga gagagtttag atcaaattga gaggaaaaat aaaagctatg ctaaacaagc 60
 caacaaaggg agaaagaagg ttgtcttcga acccgagat tgggtttggg tgcacatgag 120
 aaaagaaagg ttttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180
 ttcaagtgtc tgaaagaatc aatgacaatg ttacaaagt tgagctgccc ggtgagtata 240
 atgttagttc caccttcaat 260

<210> 12082
<211> 265
<212> DNA
<213> Glycine max

<400> 12082

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tttttccctt tttcttttct ctggtgtttt tctttccata acttgaggga actcaactca 180
tctaagattc tagataaagg gtctttatga ctagtaccct tgccattaac actagatgaa 240
tgatgactca tgttggttcc taagt 265
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<210> 12083
<211> 262
<212> DNA
<213> Glycine max

<400> 12083

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ttgagccaat taagacgaca atatcttttt actcggatga ctgattgagt cccgtcatat 60
atcgagacgc tcgaaattga atgttgatgc tctgagcaaa ttcaaacgac aataatattt 120
tactcggatg tttgattgag tcccgttaata tatcgagacg ctcgaaattg aatgttgatg 180
ctctgagcaa attcaaacga caataacttt ttactcggat gtctgattca gtcccgtcac 240
atattgagat gctcgaaatt ga 262
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<210> 12084
<211> 263
<212> DNA
<213> Glycine max

<400> 12084

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ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
catctcatat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
catcttctat cagctactag tct 263
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<210> 12085
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 12085

tgaatcggac atccgtgtga aaagttgtga ccatttgaat ttctcaagag cttcggttgt 60
 tcaatttcta gactctcgac atattatgcg cccgaatcgg acatccgtgt aaaaagttat 120
 gaccatttga atttctcgag agttttcgat gtttaatttt gagcgtctcg atatagtata 180
 agcttgaatc ggacctcagt gtgaaaagtt ttgaccattt aaatttcacg agagcttccg 240
 ttgttcaatt ccgagcctct cgac 264

<210> 12086
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 12086

agcttcttct tctttgccac aatgcgctgc ttctcagcga gaagagccat tctcttagcg 60
 gtcttgccat agggattgag cttcaacatc gcattgaggt tggtagagagg gttcttcttg 120
 agaggagctc tcttaacatc tttcttaatg ggccctgacca cggactggac ctcatcggag 180
 ttaatgatgc gggccaagtc cgagttaacc attctgggcc taggaagcag gtagcccttt 240
 ttcttctcag aagccttat 259

<210> 12087
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 12087

agctttgcaa cagatgccac tctactcaaa gtttttgaaa gatatgtgga caaggaagca 60
 caaatacgtt caccaggaga atattgttgt ggaaggcaac tgtagtgtga tgatacagaa 120
 gatccttcca ccaaaacaca aggacactag aagtgtgact tttccttggt caataggtga 180
 agtcacggtg ggaaagactc tcattgactt gggagccagt atcaacttaa tgccactctc 240
 catgtgtaga aggttggggag 260

<210> 12088
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12088

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 ttcatcttac cttcaacggt ggggtgggagc ccacgttata tggatcaact ttactttgat 120
 ggtatgacaa tatgcagnta tgttgggttc ccaaactctt ttattactct aaccttgaat 180
 ccaaattggc ttgaaattgg tagattactt ttacctttga atctcaaadc aacagacaga 240
 ccagacattg tatcacgaat tttcagattg aaatatgaac aaatgctctc agacttaaca 300
 aaggggtcaat tactgggaaa agtgggttga tgtaagtga ctataatttt tattcttaaa 360
 cacaaatata agttgatcat ttggccactt ttctttattc tataatgcag atattaatnt 420
 cgaanatatt acaattngac tgatactttt tacagatatg aaatacaaaa tatacttacc 480
 atcgtaacat tatcatt 497

<210> 12089
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 12089

gagcttagtc ataaagccct tttctaataa ttgacctaag gtgagtagat tacttttcat 60
 acctggaaca aagagtacat cagtgatgca agactgacct ccaccccttg ttttgataag 120
 gaccttccca attccttcag cagtcaagat tctatcatca gcaaatttga cttggctctt 180
 cacagattga tcaaggatga aaaaccactc tcttattcct gtcatatgaa tggagcaacc 240
 tgtgtctatg gaccaacaat tatcacttgc ccattgtaatt tgagtagtta ccattagcac 300
 tacctattaa gtgacatcat cttcttctct agccaatttt gcatcatc 348

<210> 12090
 <211> 341
 <212> DNA
 <213> Glycine max
 <400> 12090

agcttattga aagcatgcct tttgaagctg atgacgtaat ttggagaact ttgctcacta 60
attgcaagat gcaaggggaat gtagaagttg cagaaaaggc attcaattct ttattgcagg 120
tggaccctaa atattcttct gcttacgttc ctttagcaaa cgtatatgct atcagaggga 180
tgtgggggtga ggtcacaaaa ataacaagtt taatgaagaa ctgtaagtta aataaggagc 240
caggttgtat ctggattgag gtcacacatg aagtacactc attttttgtt ggagacaacg 300
cacatccaaa atctgaagag atttatgagc aaactcattt g 341

<210> 12091
<211> 367
<212> DNA
<213> Glycine max
<400> 12091

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ctatcttcag agtgggaatg cctctaacag cacttttgtc acggattatc ttcatgcctc 120
ttaagagcag atgtccaaac ctttgatgcc atattctgac ttcattcttct ttggaggata 180
gacatgtgga ggagtagctg cgttcttggg gtgtccataa gtaacaattg tcctttgatc 240
tgctgccctt cattagaact tcaactcttct catttgtcac cacgcattct gactttgtga 300
aagtgcattt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360
ccttcac 367

<210> 12092
<211> 354
<212> DNA
<213> Glycine max
<400> 12092

agctttcatt tattttaatt tatgttacca ttttaagaga aaataaatta ccataagaat 60
ttgcattaat gttattcacg tttaaaaata gtaatgtagc tacatttggg cattaagtat 120
aataattgta aattgattat gattacataa tagatgaata tttcaatcaa atcaatttat 180
tttgaaaatc ttacatgcaa ttttttttat ttcaaaacaa attattttat aaaattccag 240
aaagccatgt gacaatgtgc tttcttttaa aatattttcg tatgcatata gtatagagta 300
tagattgaca gctctatcct tattggcttc ttcctttata tatttataac ttat 354

<210> 12093
 <211> 349
 <212> DNA
 <213> Glycine max

 <400> 12093

 agcttataga atatataatt agagaacaat gacaattgaa gaatcgattc atgtttcctt 60
 tgatgagtct aatgctatct ctccaagaaa ggatatttta gataatattg cagaatcttc 120
 agaacaaatg catattcatg gagaagattc taaaggaaaa ggagaaggaa gcaatgaaga 180
 tcctccagtg gaagtcaaag caaataatga tattccaaga gagtggaaac cttcaagaga 240
 tcatccccctt gacaacatta ttgggtgatat ctcaaaaggg gtaacaacta gacactctct 300
 caaagattta tgtaataaca tggcttttgt atctatgatt gaacctaaa 349

<210> 12094
 <211> 346
 <212> DNA
 <213> Glycine max

 <400> 12094

 agcttcaaca ttcaatttct tgcgtctcga tatatgacgg gactcaacca gacatccgag 60
 taaaaagtta atttcgtttg aattggctca cagcttcaac attcaatttt gaggggtctcg 120
 atatattgcg ggactcaatc agacatccga gtaaaacggt attgtcgttt gaattggctc 180
 agagcttcaa cattcaattt cgagcgtccc gatatatgat gggactcaat cagacatccg 240
 agtaaaatgt tattgtcggt tgaattggct cagagcttta acattcaatt tcgagggtct 300
 cgatatatta cgggactcaa tcagacatcc gagcaaaaac ttattg 346

<210> 12095
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 12095

 ttctagattg caatcctctt ctggttgagg atgaagtggg atctaattgc aatatgttta 60
 gttctctcat catggactta atccttgggt agacaaattg cactcgaaaa atgatagctt 120
 tatcttttgg aaacttttagg ttgctattaa gacttttttag ccaaatgcct tcctttgcta 180

cttctaccag agccatgtat ttttcctcta tagtggacaa ggcaactgta ggtggaagtg 240
tagccttcca attgacaaga gaattaccaa ttataaatgc ataccctgtc acaaatcatc 300
ttgcatctag atttgtagcg tagttagaat ctaaataattc aaaaa 345

<210> 12096
<211> 314
<212> DNA
<213> Glycine max

<400> 12096

ttccctcttt gaacaaatac cctccgcca attagaatcc atcttgggct tttttccac 60
aactttcata aatgagagag aaatgttcat ctaaagctta caagtcccta atattatcaa 120
atcctaaaat ttgagctcct agggagcaaa accatgtgtg tctcatagag agggcatcaa 180
ctaccacatt tgtttttccc tttttgtatt tgataacata tggaaatttc tctaggtact 240
ctaccatttt ttcattgcctt ttgtttaact tgctttgcc tctaattgtac ttaagtgaat 300
gatgatcact atga 314

<210> 12097
<211> 350
<212> DNA
<213> Glycine max

<400> 12097

gcaagcttgt gtcacgattc actgtgacag tcaaagagtc attcacttag aaaatcacca 60
aatgtaccat gagaggacag agcacataga tgtgaaacta cacttcatca tagatgtgat 120
tgaatctgag aaggtgaatg tggagaaggg ttcaacacaa gaaaacctgg ctgatatgtt 180
cacaaagtcc ctctctagtg tcaagttcaa gcaactgctg tacttgatca atttgggaaga 240
tgccataaagc agattggttag aagtgcagcc ctgaatcaca aggtaaacac ttgctgattt 300
ggagtcaagg tggagatttg tgggtgtgtga ctaaaacata cattggcaca 350

<210> 12098
<211> 345
<212> DNA
<213> Glycine max

<400> 12098

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ctatacgaga catcttgcca aacaaagtca ggtaacgat aactcgctg tgctttttct 120
tccatgctat atgtaacaaa gtcattgatc cagtcagtgt tgatgagttg gaaaatgagg 180
ctgtaattat actgtgctag ttggagatgt attttcccc tgctttcttt gacatcataa 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacgat 300
ggatgtaccc ggctgagcga tacatgaaga tcttaaaagg gtata 345

<210> 12099
<211> 342
<212> DNA
<213> Glycine max

<400> 12099

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acagaacaat tatgacctct ccagcaacag gtacaatctc aggtggagga atcatcccaa 120
ccttagatgg tgaatcctt cacaacaaca gcagcaacaa caacaacaac cttattttta 180
gaatgctgtt ggccaagca gaccatacat tcctccacca atccagcagc aacaacaaca 240
acagcaacaa ccagaaaca acaaacagtt gaggtcctc cacaaccttc cttgaagaa 300
cttgtgaggc aaatgactat gcaaaacatg cagtttcaac aa 342

<210> 12100
<211> 354
<212> DNA
<213> Glycine max

<400> 12100

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tagcatcact tatggcacta aattgttggg tccttcataa aaatattgga ggagaagctg 120
ctcataaatc tgggtggtgag ggcaactagc acatagtttt ttaaattctc ccagtatctc 180
atataggctt tctccactga gttgcccaat gcctaaaata tcctttctga tggctcgtgg 240
cctagaagca gggaaatttt ttttctgaga atactctctt gaggtcatcc cagctcgtga 300
tggaccttgg agcaaggtaa tatagccagt tctttgccac tcctctaaa gaat 354

<210> 12101

<211> 389
 <212> DNA
 <213> Glycine max

 <400> 12101

 tcatgcttaa ctatgtatgg caaaacttca ttatctgttg ttcaagacat acaagtgagc 60
 ttgtaacaaa tcttctacac ttggagtgat cacatgcagt cctcttgaac ccttaccacc 120
 cactctgtca tcatgctgag actcaggaag cccaacaggt ttagctttct ctaattattc 180
 tgaacaaaat tcaatggctt cttctacaat gtacctttca acaatagatg catctggatg 240
 atatagattc tttgtatacc cttttaagat cttcatgtat cgcttaaccg ggtacatcca 300
 ccgtagataa acaggaccag aacatttgat ttctcttgcc agatgcccc acaagggaat 360
 catgatggtc aaaaaagtgg gggaaaaaa 389

<210> 12102
 <211> 366
 <212> DNA
 <213> Glycine max

 <400> 12102

 aagcttgtcc aatcgagtag gagaaatgcc ttcattttca tatctgcata ttgatcaatt 60
 gcaagggtaca tgaaggacac gattatgagc aagagaaata gtgctcaaatt tatcaccaaaa 120
 aattcgagga atagtgtgag aaactttcag cttaaacaac aagggtctgaa tttgttggac 180
 ctctaaagta gctggagcaa ggttccagta cttagcttca gtgcttgaac gagcaacaac 240
 agtttgcttt ttggaccacc aagaaaccat gctgggtcct aaaaagaaaa aagcattgaa 300
 tgtagacccc ctgtcatttg gatccgaggc ctaattctaca tcacaatagg cttgaaaaat 360
 aaaaag 366

<210> 12103
 <211> 347
 <212> DNA
 <213> Glycine max

 <400> 12103

 agcttctcgt cagtgggtact ttaagtttca tgggataatt tcttcatttg gttttgatga 60
 aaaccccatg gatcaatgca tataaccacaa ggtagtggg agtaaaatat gctttcttgt 120

tttatatgta gatgatattt tacttgcagc caatgatcgg ggtttgctac atgaggtgaa 180
acaatttctc tctaagaatt ttgacatgaa ggatatgggt gatgcatctt atgtcatcgg 240
cattaagatt catagagata gatctcgagg tattttgggt ctatcacagg aaacctatat 300
taacaaaatt ctagagagat ttcggatgaa agattgttca ccaagtg 347

<210> 12104
<211> 330
<212> DNA
<213> Glycine max

<400> 12104

tgttggttat aacaaacttt aaccaactaa ctactaacta ataaaattaa ctaccatag 60
aattaactaa tttcaacact tcctcttaat tcatattgggt acaagacatt actcctagcc 120
tatctctcat ttccttaaatt ttgatacact tcaaaggctt tgtcaacatg tttgctagtt 180
gatcttaaga tctacaaaac tcaagctcaa acttctcctt attcacatga tctctcaaaa 240
agtgaaactt ggtctcaata tgtttacttc tcccatgtgt cactgggtgt tttgccaagt 300
caatagttaa cctattatta attaacaatc 330

<210> 12105
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12105

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tgtgtcccat gagagggttg atcaaagga gaatagagat cataatgaag aagaaaggag 120
gagaagaggg aatgatgggtg ttcctagaca aaaccgaatt gatggtataa aactcaacat 180
tcctctcttt aaaggaaaga atgatccgga ggccacttg gagtggaaga tgaaaataga 240
gcatgttttc tcatgcaaca actataagga ggaccaaag gtgaagcttg ccaccatgga 300
gttttccaac tatgtctctg tgtggtggaa caagctacaa aaggagagag caagaaatga 360
agagc 365

<210> 12106
<211> 354

<212> DNA
<213> Glycine max

<400> 12106

tgtcccacaa gcctctccta catttgggcc atgaaaggca aaagatagtg gtctttcctc 60
atgggttctt tgagcttgag gtaatcgatg catattctcc agccagtga agtccttggt 120
gggattaggt cattcttttc atcctgaatg attttcgtgc cccctttctt tgggtaccacc 180
tggattgggc ttaccecaagt actatcagaa atggggtaga taatccaagc ctctaaaagc 240
ttgagcacct cttccttcat tgatgggtta aggcttctct tgggctgtct gactgggttg 300
taatcttccg ccatcattat ggtgggcata ttagaaaacg gggatgaatct ttg 354

<210> 12107
<211> 344
<212> DNA
<213> Glycine max

<400> 12107

tgacactata aaactaagct tgtaggtaaa gtctcacgat tgcacgtggt gatgcatcaa 60
ttgttagctg tggctatacg agacatcttg ccaaacaag tcaagttatc cataacttgc 120
ctgtgctttt tcttccatgc catatgtaac aaagtcgttg atcctgtcaa gtttgatgac 180
ttggaaaatg aggtcgtaat tatactgtgc caactggaga tgtattttcc cctgctttc 240
tttgacatca tgattcacta gattgcgcat ttggtgagag aaatcacatg ttgaggactt 300
cgttatttgc ggaggatgta cccggttgag cgatacatga aaat 344

<210> 12108
<211> 387
<212> DNA
<213> Glycine max

<400> 12108

ttaatcgatt accatgagca tataatcgat taccaatggt ttaaaacggt agatttcaaa 60
tttcaagagt cacaacttgt gataaaacat tttcaaatca tttcaaactt gtgtaatcga 120
ttacacaata cttgtaatcg attaccagtg tttctaaacg ttggttttca aatttaaaca 180
tgaagagtca catctgttga tgtgtaattg attacactac aatggtaatc gattaccagt 240
gacttatttt gaaaaaataa attaccaaaa gtcacaattc ttaaagtgac ttgtttctga 300

agatttttttc aaaagtcaca acctttaagt gactagtttt caaaagagtc acaactttta 360
gagtgactaa ttttcaaaag agtcaca 387

<210> 12109
<211> 349
<212> DNA
<213> Glycine max

<400> 12109

agcttctgta ttcaatttcg ttcattctcaa tatattacgg gacttaatcg gacatccgag 60
ttaaaggtta ttgttggttg catttgctac gagcttccgt tttcaattac gagcgtctcg 120
atatattacg ggactcaatc caacctccga gttaaaagtt attgtcgttt gaatttgcta 180
cgagcttccg ttttcaattt ctagtgtatt gatatattac gggacttgat cgaacattcg 240
agttaaaagt tattggcatt tgcatttact cacagctttc gttttcaatg acgagtgttt 300
cgatatatta cgggactcat ccgagttgaa agttagtgtc atttgaatt 349

<210> 12110
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12110

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aacctctatc tttntgtttc aagcacaagc aacaatttgt gttatcaagg ctttgaagtg 120
gtggaagaag accctaaagc ctaatatgat tgagatccat tcagcacaag aactggtcca 180
ttcttttggtc aacgctggcg attcattgct tgtggttgat ttctattcac ctggttggtg 240
aggctgcaaa gcccttcac ctaagggtatg tttgtttttg ttgtttggtg ttggaaaagt 300
catattctta taattttcta ttactaaca aatgcttcac ttttttttct aggtntttcg 360
ttttttgtta caatatttga cttgctttca tcatgcgcga ctag 404

<210> 12111
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12111

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atcactacga gggaagaag attttatgtc ctgtgggaat ggagtaccaa aagatccatg 120
catgcactaa tgattgcata ttatacagaa atcagtttgc agaaatgcat aagtgcacca 180
catgtggggt atcatgggtac aaagtccagg ataacaaatt tgttgatggt gcaagcaaaa 240
gcaatagtca tttagcaaag gtgtgctggt atcttcttat aataccaagg ttttaagcgat 300
tgtttactaa tggacatgaa gcaaaaaacc ttacatggca tgtagatggc agaaaaagtg 360
atgaattgct ctgacatcca gctgat 386

<210> 12112
<211> 364
<212> DNA
<213> Glycine max

<400> 12112
cgcttattct ggtgcatat atacttcacc aatgggtcaa agcggcttct tattctaagt 60
tcacgagaag ggtggggggt agattcataa agatggagct gatgtgtcta tacgaactcc 120
ctaggaagat cattactgac aatggcaccg atttgaacaa caaatgatg cacgatatgt 180
gcgaagattt caagatccag catcataact ccacccctta tcgaccaaag atgaatgggt 240
ctatataagc tttcaatcag aatattaaga agattgttca gaagataacg gtgtcataca 300
aagattggca tgagatgatg cttttcacct tgacaggata tagaacctcg gtgcgaactt 360
ctac 364

<210> 12113
<211> 379
<212> DNA
<213> Glycine max

<400> 12113
tctgtatgct taactatgta tggcaaaact ccattactgt tgctcaagac atacaagtga 60
gcttgaaca catcttctac acttgagtg atcacctgca gtcctcttga acccttacca 120
ccgactgtgt catcatgccg agactcatga aaccaccag gtttagcctt ctctaagtat 180
tctgaacaaa attcaatggc ttcttttgca atgtacctt catcaataga tgcttggtga 240

cgatatagat tctttgtata cccttttaaa atcttcatgt atcgctcaac cgggtacata 300
 caccggagat aaacaggacc acaacatttg atttctctga ccagatgcat aatcaagtga 360
 atcatgatgc aaacaaagt 379

<210> 12114
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12114

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 agtattttga tttccagccg tgtatttggc tatattatta tgacatttga acaatatagt 120
 atttctttat ttgcatgggtg tgtttgaaaa attatgaatt atgttatatg actatgtgat 180
 ttttctatat atttgatcta gtcatgtttc ttgcttcatg attggtttat attttttcca 240
 tgattgttgt gtgaatgatt agttgtatct gtatgtttca tacttgttac gcactttggc 300
 tttttattgg tgccaaaggg ggagagaaat aggggttaaa tcaaggtaat gaatntaatt 360
 tcaagtgaag catatattca aaaacaaagg gggagaatgg aaat 404

<210> 12115
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 12115

cgcacatatc tcctttgatg tttaagaaaa ttacacatgt ctttcttgta tttttaatac 60
 ctacacaaac tcctaaatg tcgtctcaac atttggcagt aacaagtcac atacattaac 120
 aattttgatt aaaaaatatt aaaatatgtt tttcttcctt ataaatatga aaatgtttga 180
 aattaatcat tacaaaactt tttgtctata tttcattctc gcaaaattta aatgttattt 240
 ttatgtttga gactaagttc aagttactaa aatttacgtg tatgttatta tagaatgtgt 300
 caattttttc aacttttttg catcatttat atgtataaac catgcagaaa cattgttttt 360
 gcattatata attgatgtaa aaaagtaaaa aaaaaacatg a 401

<210> 12116

<211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12116

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 atatctatat atctatagat agatatatag atatagatat atagatatag atcatacaat 120
 gaagtaccgc acgagtgggt atataggaat ccaaactctgc cgaatcactc atgttatgat 180
 cttctacatc ctaggtcttc ccgttccttc atctggctta tgttcttcat gtagcattca 240
 gactgaatga ctctatgaaa ttacgtcgct acttccacat ggtacgggta acgtaggaga 300
 catctctant tttccggggg gaatccttag aattacacaa gctagcttca at 352

<210> 12117
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12117

tactcagctt tactttgttt gctctgtttg gggtttccaa gcgtagagaga gaaggggaag 60
 agattgtagc ctccatttca ctgtcaacgt gcgagactaa tttctctctg caaaacaatt 120
 atttcataaa tccaacggc agtgatgtgc gaaaaatggg ttttgaagggt ggtgtccaaa 180
 tttcacaatg gtcccacggg tgacgagtcg gggatcgtag ttttactgag atagatttta 240
 ccacgggtggt atccaaacat gattgattca aaagggtgaac tatcaaattcc attaatatt 300
 atgtacaata aaagagtttc aggagtttga caagtttcac aagataaact ntgtaaaggc 360
 aaatatcata agaatgagag ttgaattgtg attntcaaaa 400

<210> 12118
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12118

tgtacaagat tattgcaaag gtcttggtgaa atatactagg aaggcttga gcaagggtggt 60
 ggatgataga caattggctt ttttgggtga aaggaataat atatttgatg ggatcttggt 120

tgcaaagtgag gttgttcatg aagctaaggt tgagaaggaa catgtttcat tttcaaggct 180
gattttcaaga aagcatgtga ctcggtgaaga taggaatttc taacctatat gctacatagg 240
ctaggagttt gtagtaaatg gattagatgg atgtggtggt tcttacaatc ttcattctacc 300
tctatccttg taaacgggat cccaatggaa gaattntatg ctaaaaaagg acttcgtcaa 360
ga 362

<210> 12119
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12119

tcactcatgt gtccaagtcn ttgatgccac agggttgaat tattgacaac ctacagtaatt 60
gttatcatat cctcatctgc aattatgtaa agagatcatt gcttctttcc atgagccaca 120
acgagattgc cttttgttac cttccaagct ccattctcaa aagcgggtgta atgcccccca 180
tcattccaact gccctataga tattagattt ctctttaagg caagaatatg tctgacatta 240
tgcaatgtcc atagggatcc actggaagtc ttgatgtcaa tatcacctct tccgacaatg 300
tcaagagatt ttccatctac aaggtaaact ttccaaatc ttctagaaat atagtttagac 360
aataaatctt acaggactat ccaagct 387

<210> 12120
<211> 380
<212> DNA
<213> Glycine max
<400> 12120

tgcaagctta accatggaac ggtatgagat aattaaagat attgggtcag gaaactttgg 60
tgtggcaaag ctggtcaagg aaaaatggag tgggtgaatta tatgctatca agttcattga 120
gagaggtctc aaggttctat tttcaaattc catgtatctt ttcttttgtc atatcttaat 180
cttgtcttgt gtacatatgt tttttagatt gtcctttggt aatgggggtc tattgggttt 240
tgcagattga tgaacacgtg caaagagaga ttataaatca taggtccttg aagcatccca 300
atatcattag atttaaagag gtacggaatt ggagacgttt ttggtttcaa tgagtataaa 360

ctcaaagtgt aattatttgc

380

<210> 12121

<211> 368

<212> DNA

<213> Glycine max

<400> 12121

tgtgctattc caagttcatt aatcacacct ttaatccaga ttgcttcctt cacaccttca 60

gctagggcca tgtattatgt ttcagttggt gaaagagcaa caactgattg ttgatttgct 120

ttccaactga ttgatgtacc aaacaaagta aacacatata ctgttaagga cttccttggtg 180

tctacatttc ttgcaaaatc tgcactctga tagcctgtga ctactgcttc atgtgttgctc 240

ttcttggtact ttaaaccagc tttcaaagat ccatttagat accttagtgt ccacttcaca 300

gcttcccaat gtgcgctgcc aggatctccc atgaatttgc ttataatact tataacatga 360

gccaaatc 368

<210> 12122

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12122

aacagttctc taaccattcc aatccattca aatcacacaa ctgctcattc aaatcattct 60

cacactcatt tcataccaaa caatcaattg catatcattn tcaatcaatt cactgttcaa 120

acacactttt tgtacaagca aacaactcaa agtgccatgg ataagagctt ggaggaagaa 180

ggagatgaat gaagggagag ggagagaaga gcacggaatt ttgtgctcta agagagctct 240

gaaatctgaa gtttaatttt taaatgatca aagttgaaaa aatgcacaca catggcttct 300

atgtatagcc taagtgtcac acaaaattgg agggaagatt gaatttctat tcaaattttt 360

cttgaaattg aaattgaatt 380

<210> 12123

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12123

tttgaattat caatatccaa acttgcttct acaccataa ttcttgcacc taattggaaa 60
tatggttttg agtcatatg ttacgcaagt gattatgtag ttgggtgtgt cttgggacaa 120
aaaaaagaag acaaaatttt tcatgctata cattatgcta gtaaagtcct taatgagcat 180
caagtgaatt atgcaacaac caaaaatgaa ttactagcta taatctatgc attggaaaaa 240
tttagatctt atctcatttg ctctaaagt gttgtttata cagattatgc aactattaag 300
tatcttctat ctaagcccgga ttccaaacca aggcttatta ggtggatact tatgttgtan 360
gaatttgatc 370

<210> 12124

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12124

gagaagcttt cttgagaaga ttcttagaga agctagagct tagctacaca cacccttta 60
atagctaagc tcatctcttc cttgagatga taagatagag cttagctaca cacacacct 120
ataataggta agctctcccc catgccaaaa tacataaaaa taaaaaaaag tccctactac 180
aaagactact caaaatgcct tgaaatataa gactaaaacc atatactact agaatgacca 240
aaatacaagg tccaaaagaa ggaaaaacct attctaatat ttacaaagaa gagtggacct 300
aatcttggcc catgggatca gaaatctacc ttgaggttca tgagaaccct anggccttct 360
ntaacagctc tagectaate ctctttgagg 390

<210> 12125

<211> 398

<212> DNA

<213> Glycine max

<400> 12125

ttatcggcct tgtatggctt gaaacaagct cccatagctt ggaacaagag aatagacacc 60
tttctcttgc aaattggatt catgaaatgc actactgaat atgggtgtgta tgttaaagga 120
gaaagtcttt cagatattct catagtgtgt ttatatgtgg atgatttact gataacagga 180
aaggattgca gtgctatctc gacattcaag caagagatga agtctaagtt cgaaatgtca 240

gatcttggag aattatcata ttttctgggc atatagttca agaggacaaa ggctggaatt 300
 tttatgcacc aaagcaaata cacaattgat gtccataaga ggtttcagat gcttgactgc 360
 aactcagttt taactcttgt tgaaactagt gctgtgct 398

<210> 12126
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12126

agctcttgct acaacctttt tctccccctt tggcaacatc aaaaagccaa agaactcgga 60
 aatcaacaca gttataacaa tggagtagca agatataagt atcagagtat taaatacaat 120
 aagccaaact cataatcaat aaaataatca aaccagaatt caaataacat aaaatgtcaa 180
 caaccacaaa atatccaaga ctgaaattta aaaacacaag ataaataagc aaaatactta 240
 gcataataat gtaaattcta agaaactaaa aaccaaaata cacggcttat aaaagataaa 300
 taagcagaat ctaaaatcta agaagacgga ggaggtggtg gaagatcgaa actctgacga 360
 atgtatccga catcctcttc a 381

<210> 12127
 <211> 333
 <212> DNA
 <213> Glycine max
 <400> 12127

tggtgatgcy gccttatctt gagatacacc cattctccct ccttaatctt tgaaggtagg 60
 tgacgattat tggcatactt tgtcatgtga ttctgagctt tgttttagatg aaacttcaac 120
 tgattaagtg gttcatctct ttccataaga tcataagtca ctgcctcaac taggacttcc 180
 cctggaatga accttgccaa agatgggggtg ttagaccata aactatttca aatgggggtac 240
 acctagcagc tccctggtga catgtattat accagtattc tgacatggga taaactcagt 300
 ccaatgattc cacaaaacct aacaacaaaa cat 333

<210> 12128
 <211> 294
 <212> DNA

<213> Glycine max

<400> 12128

tgtgacacta ctcaagcctg actcttatga gaacttcac tggtcagatt ttttaaaaag 60
gaacccttac cattgccatc aaatgcacca actcagctaa ggaacaaaaa gcaagggtttt 120
acatcatgag gaggtgtggt gccatgttgg gttggtggca caagcatggg gattcatgaa 180
agaagtgcac agatcttgag cttagttttt attgaattat gaccttttat tggcctactt 240
tgaatactat aaattcgatt gtaattacaa gttgactaac gtgagttata agat 294

<210> 12129

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12129

agcttaaaca ttcaaatntg agcgtctcgt tatattacag gactcaatca gacatccgag 60
taaaaagtta ttgttctttg aattggctca gaggttcaac attcaattnt gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcggtt gaattggctc 180
agagcttcaa cattcnaatt cgagcgtctc aatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtcggt tgaattggct cagaggttca acattcaatt tcgagcgtct 300
cgatatatta cgggactgaa ccagacatcc gagntaaaag ttattgtcgt ttgaattggc 360
tcacagcttc aacattcaat ttcgagccgc tcgatatatt ttcggactca atcagacat 419

<210> 12130

<211> 502

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12130

gacctctta gtcacctgcg gcatgcaagc ttanggaaat tactgaggag gccaaaagtt 60
ntgcaattgn gaacagggct cttgctgcac tatntgtaca tacaccagcg ggtgagctgc 120
agcgtcaaat tagatcctgg cttgcagaga gttntgagtt tctatcttta acgggagaag 180
atgcatcagg ggggtcaact ggtcagttgg aacttctttc aactgcaatt atggatgggt 240

ggatggcggg acttgggtgct gctcttcctc cccacactga tggccttggc cagctattat 300
 ttgaatattc aaaacgtgtc tatactttctc aattacaaca cttgaaggta tgcctctagt 360
 tagttctgtg ttgcatgact tataaatgca tacctcaca gttctcgatg gaagccttgt 420
 ttacttttagg actttgttga gagatgacac tcatacattt cattgcattc aaatattaca 480
 atagtctaaa cataataccg ag 502

<210> 12131
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 12131

tttgagaaat tcaaattggtc atttcttttc actcgaaggc ctgatcaggc gcatcagata 60
 tagagacgct cgaaattgat caacggaagc tctcgagata ttcaaattggt cataactttt 120
 agctcggagg tcggatttag gcacataata tatcgagacg cccgaaattg aacaacagaa 180
 gctcttgaga aattcaaatg gtcattactt ttcactcgga ggtccgattc aggcgcacatca 240
 cctatagaga cgctcaaaat tgaacaacga a 271

<210> 12132
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12132

agcttgagan tgaacaactg atagctctcg atatattaga aggtctacct tttgacacga 60
 agtcagattc acgcacataa tatatcgaga cgctcgaaat taaataacgg aagctgtcga 120
 gaaattcaaa tgctcattac ttttctactcg gaggtccgag tcaggcgcac aatatatcga 180
 gacgctcgaa attgaacaac ggaagctctc gagaaattca aatgggcata acttttgaca 240
 cggagggtcag cttcacgcgc ataatatatt gagacgctcg atattgaaca acagaagctc 300
 tcgagaaatt caaatggtca taacttttga cccgaaagtc agattcaggc gcataatata 360
 tcgagacgct tgaattgagc aacggaagct ctcgagaaat tcatatagcc ataacttttc 420
 actcggatgt cagagtcaag cgcataatat a 451

<210> 12133
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12133

agctnttgca agctggaatc atttatccta tctccgacag ccaatgggtg agtcccatcc 60
 aggtagtccc gaagaanacc ggctcaccg tgataaaaaa tgagaaggat gagcttattc 120
 ctactcgagt gcagaacagt tggagagtat gcattgacta taggaggctg aactatgtta 180
 ccaaaaagga ccattttcca ctgccattca ttgaccagat gcttgaacgc ctggcaggta 240
 aatctcacta ctgtttcctt gatgggtttt ctgggttatat gcaaactact attgctcctg 300
 aggatcagga naagaccaca ttcacctgcc ccttcggcac ttttgcttat aggaggatgc 360
 ctttcggcct gtgcaatagc cctgggtacct tctcgcggtg catgattagt attttttagtg 420

<210> 12134
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12134

agcttcatga tgaatgaaga gtgattcaaa gatgttntga tgataacaaa gatgataaca 60
 aaagatgatg acaaagggtga tgacaaaaag ctcanaggtc aatcaaagaa tgagttcaag 120
 atattcaaga taaaatcaag aacacatcaa gattcaagag gaaagttaat ttcaagaatc 180
 aagattcaag agatcaagat tcaagactca tgactcaaga atcaagagaa ggcttaatca 240
 agataagtct ganaagggtt atcaaaaatt gagtggcaca tggatttttc tcanaacatg 300
 tttagcagaag aagttttact ctctgggttat cgattaccag agtgggtgtaa tcgattatca 360
 gtagcaaaat ggatttgata aagttctcat atgagattac aacgtttcaa ttgatttcaa 420
 aaagctgtna tcgactacaa tatttttggt atcgatta 458

<210> 12135
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12135

agcttcttag tttcggatta tgcaactgag tttgtagcta cctcatgcac tcctctaatag 60

actataacat catttctggc gctaaactgc tgggagttgg aaaccatctt ctcaattaaa 120

tttctggctt cagcaggagt catgtctcca agggctccac cactggaagc atctatcata 180

cttctctcca tattattgag tccttcataa aaatattgga gaagctactc cgaaatctaa 240

tggtgagggc aactggcaca tagttntttt aaatctctcc cagtattcat acaggctctc 300

tccactgagt tgtctaatac ctgagatatc ctttctgatg gctgtggtcc tagaagcagg 360

gaaaattttt tctaagaata gtct 384

<210> 12136

<211> 279

<212> DNA

<213> Glycine max

<400> 12136

ttgtttttat acattcagtg tcatattaaa atatttttat atttgtcaaa aggaatgctt 60

gcaatatatt ctgttttgta aagaagtaag gaaatttatt aaattgtgag tgaaccaaac 120

atttcgtaaa attcacgtta attatatcta atattaaaaa ataagttaga aatatattaa 180

tatttttctt gtcaaagtat agtagatctt ctcggtgcta gtgattttga ttaatataat 240

ttaacaatct atccaaaata tgaatatgtc tatatatta 279

<210> 12137

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12137

agcttcacag cggagaggag ataacacctg cacttttgaa ggcaattaaa gattccagaa 60

ttgccatcac tgtgctctct gaagactntg cttcttctctc attntgctta gatgaactta 120

catccattgt tcaactgcgcc cagtataatg ggatgatgat tataaccagtg ttttataagg 180

tgtatccttc tgatgtcaga caccagaagg gtacttatgg agaagcattg gctaagcata 240

agataagatt tccagaanag ttccagaatt gggagatggc tctgcgtcaa gttgctgact 300

tgtctggctn tcatttcana tacaggtaac caatgatacc aatcttttta tgttttaatt 360

tttattggaa ttaattaagt tactcgtctc acaanttaat gttcaaatat taataacaga 420
 gatgaatatg agt 433

<210> 12138
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 12138

tctggtggga catcttgact tgctttccaa tttgacatgc accacagatt ctgccttctt 60
 ctattttcag attaggaatg cctctaacag cacctttgtc aatgattttc ttcatacctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggagaata 180
 gacatgtgga ggaggaactg gtttcttgag gcgtccatag gtagcaattg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac ca 282

<210> 12139
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12139

acaatatacc ttctcaacct cagcagcaaa atcaaccaca gcagaacaat tatgacctct 60
 ctagcaacag atataaccct ggatggagga atcaccctaa cctcagatgg tccagccctc 120
 agcaacaaca acagcagcct gtccttctt tccaaaatgc tgctggccca agcagaccat 180
 acattcctcc accaatccaa caacagcaac aaccccgaaa acagacaaca gttgaggccc 240
 ctccacaacc ttccctcgaa gaatttgtga ggcatatgac tatgcaaaac atgcagtntc 300
 agcaagagac cagagcctnc attcagagct taaccaatca aatgggacaa ttggctaccc 360
 aattgaatca acaacagtcc cagaattctg ac 392

<210> 12140
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12140

agcttaggct gcanacattht ataatagacc ctctcagcag cataaccaac aacagcaaaa 60
taattatgat ctttcaagca acagatacaa tccaggttag agaaatcatc caaatctggg 120
atgggcaagt cctccacaac aacaacagcc tgttcctcct ttccagaatg ttgttggtcc 180
aagcaagcca tatgttcctc ctccaatata gcaacaacaa caacaacagt cacaacaaag 240
acaacaagca actaaggatc ctcttaacc ttccttagaa gagttagtga gacaaatgac 300
catccagaat atgcnaattht agcaagagac aagagcctct attcagagtt tgacaaatca 360
gatggggcag atggctactc acttgaacca agctcagtc caaattctga caaattgctt 420
caccactgta cataatcnaa aaatgt 446

<210> 12141
<211> 279
<212> DNA
<213> Glycine max

<400> 12141
tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tgggtgatac atggacagag atgaaaaaga tcatgaggaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttct 279

<210> 12142
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12142

agcttctcga tatattatgc accttaatcg gacttccggt tgataagtta tgaccatntg 60
aatntctcga gagcttccat tgttcaattht cgagcgtctc aatatattat gcgcctgaag 120
cggagcttcg tgtgacaagt tatgaccatt tgaatatctc gagagattcc gttgttcaat 180
ttcgagcgtc tcaatatatt atgcgcctga atcgacatc cgtgtgacaa gttatgacca 240
cttgaatntc tcgagagctt ctattgttca atttcaagct tctcgatata ttatgcgcct 300

gaatcggact tccatgtgat aaggtatgac catntgaatt ctcgagagct tgcggtgttc 360
aattcgagcc gctccatata ttatgcgctt gaatcg 396

<210> 12143
<211> 272
<212> DNA
<213> Glycine max

<400> 12143

tccattgttc aatttcgagt gtctcgatat attatgcgcc tgaatcggac ctccgaatga 60
aaagttatga ccatttgaat ttctcgagag ctacctttgt tcaatttcgt gcgtctcgat 120
atattttgcy cctgaatcgg acctccgagt gaaaagttat gaccatttga atttctcgag 180
agcttccgat gttcaatttc gagcgtcttg atatactatg cgactgaatc taacctccgt 240
gtgaaaagtt atgaccattt taatttctca ag 272

<210> 12144
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12144

ctgcagactg agaaagagtt tgtatggagc ttgtatgaaa attcctatga anagcattgg 60
gagattgaag accggattac agaaatgcag ataagggttt gcagctggca agatgagttt 120
ggcattaata caatgataga agataacgat gcacgagctt tgatggctgc aacagcttta 180
tattcttgca aagagaccct tgctaagtng caagagacac aggcacaatc atctgaagag 240
gctaaagaat cctaccaaag ggtaaggaa gctcgtgaca tgtttgaaac cattagaggc 300
caacttcatt ctaaactttt atagtcagaa gaccaaggaa ctgaaccata aagcatagag 360
gaagaagaca tgtctagctt ggaagagaaa ggcattgagcc tgatgtgga 409

<210> 12145
<211> 267
<212> DNA
<213> Glycine max

<400> 12145

cgccacggag ttttccgact atgctcttgt gtggtggaac aagctacaaa aggagagagc 60

aagaaatgaa gagccaatgg ttgatacatg gacggagatg aaaaagatca tgaggaagcg 120
 gtatgttccg gctagttact caagggactt gaaattcaag ctccaaaaac taaccaagg 180
 caacaagggg gttgaggagt atttcaagga aatggatgtg ctcatgattc aagcaaatat 240
 tgaagaagat gaggaggtaa ctatggc 267

<210> 12146
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 12146

ttgaacaacg gaagctctcg agaaatttga atggtcataa catttcactc ggatgttcga 60
 tccggggaca taatttatcg agacgctcga aattgaacaa ccgaagctct tcgacaaatt 120
 agaatgtgcy taacttttca cgcgaatgtt cgattcgggg acataactca tctagacgct 180
 cgaaattgaa caacggaagc tctcgagaaa tttgaatggc cataagtttt cacacggatg 240
 tccgattcgg aacatattta tctagacatc g 271

<210> 12147
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 12147

tgtgtagcga taattctagc tgggaaaaga ttttcgcacc tattaccagc atgtcgggtgc 60
 agcttgataa tagtttctc ctcttccttg gtgtagtttc ctcttttgag gtttgccctt 120
 aggtaattca gccaccttag tctgcaactc tttccacatc tcgcaagacc taacaaatta 180
 ataacaacaa caacaaagta aaaccaatta caatggattc atatatgatt tagctataag 240
 ctgtgcatgt atataattaa atattgaata tatggc 276

<210> 12148
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12148

tgtagctat aagaaatg gaaaccaata ttacaatat aataagattg ttagtttaag 60
gtaatgattg aaattaaatt aacaaatata ttttaattttt tagttataaa aaatatcgaa 120
acccaaaattt aaaatctaag ataggataag attgtagtt taaaataatg attgaaataa 180
aatttaaaaa tatattagat ttggtagtta taataaatat tgaaaccaa atttaagatt 240
taaaattttat ttattaatcc atatgtnta attattttta attattcttt tagaaatatt 300
ttataaatta tattttctaga aattttttac ttcttttaatt ttatctatag aaatctatac 360
attagaagat ttgatattta atngaagat gtatttagat gtttat 406

<210> 12149
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12149

aaaattgtag gaaaactatt gccactaaaa cgttnttcta ttctaagaat atcataaaca 60
agaacatatg ccatatatat tcattaactg aagaaagtat aaatatacat accgtatctg 120
caaccacatg atcaagagat ggaacataac catgcaatcc atcactgcct ccatgacctt 180
aaaaataaaa caaatcattc cagatccatc acaaaatggg aagtacggaa tggaaaaaga 240
aatcttaaac tacctatcca gtccattgca tagacaccaa agttgcatga tggttaatagc 300
cttgcanagt ccgcatatct tccactgaaa aatgagtgcc aagtcagaga agt 353

<210> 12150
<211> 383
<212> DNA
<213> Glycine max
<400> 12150

agcttgtagt ttaccttagg agccacatag ttcggactcc cacaagttgt cccacaagtt 60
gtccgaagga tactcgcccc ctatcagaat attcaaaagt ttgaagcagt ttggtattat 120
tatatcttac atgagtcgaa gtcatatata aaagctaatt tgggtgacaag ctcacctgct 180
caggaaatgc actcaaacca taatcggaat tctttatatt tcttagtgaa tcaagtaaaa 240
gattttcagg ctgcacaagg caaaaagaaa aaaagaaaat tagaagatat cacaataagg 300
acaacaaaca acttctcaga tctcactcaa tgcaaacctt taaatctcag tgataaactc 360

ccttactgtg gcaataatct aca

383

<210> 12151
<211> 314
<212> DNA
<213> Glycine max

<400> 12151

ttctcgagag cttccgttgt tcaatttcga gtgcctgtat attgatgcgc ctgaatcgga 60
catccgagtg aaaagttatg accatttgaa tttctcgaga gcttcctatg tttaatttcg 120
agcgtgtcga tatattatac gcctgaatcg aacctcagtg taaaaagtta tgaccatttg 180
aattttctta gagcatccgt tgttcatttt cgagcgtctc tatatgtgat gcaccttaat 240
cggacctccg cgtgaaaagt taggaccatt tgaatttctc gagagcttcc gttgttcaat 300
ttcgagcgtc tcga 314

<210> 12152
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12152

agctntacta tgcagagaat atccaaggaa aataccttca tctgacttag catcaaattt 60
tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120
tgagatgttt ggttttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180
tattaaagcc ctatttaaaa tgtagcacgc agtgттаacg gcttcagccc aaaagtattt 240
tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttctt 300
ttccacaaca ccattttgtt gaggggttct tgggtgcagaa aagttatgct caatcccatg 360
cttatcacan aataattcaa attcttttat ttcaaactca ccncatgat cactcctaata 420

<210> 12153
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12153

gcttaagaat cattttcgga tcaagagaaa gattgttgga cagttggatc tctcattgtg 60
gattattgag ttgaccttgc ggatttaatt attattaata tgaatatgcc ctacctttac 120
attttaattt taattcatgg aattgattgt aagggtgtcga ccaatttatt ttttatatgt 180
ttgtttatag gtaagaattg aagatatata ccaagaaatt tacaattcac atacatattc 240
aatcaattga gtagatttcc ttattgatat tgaccaattt attaatactt ttatataaat 300
gtcattattg ccttaaaaaa tgtcattatt ganacaatng gtactttttt tttcgagcac 360
gaaacaattg gtacttgttt atatccacat gttgtaaatg tctattttcca aatatgtgat 420
atagttggac agtatgtatt taagtatatt ttttaatttct 460

<210> 12154
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12154

agcctgacag gttcaggtgc atgtgctgct actggnggag gcacttgaat ttggttgcca 60
tacctcaagg tgatggcact cacatttttt ggattctgca cagtttgtga aggcaaattg 120
tcagaatttt gggactgagc ttggttcaac tgagtatcca tctgccctat ctgatttgtc 180
agactctgaa tggaggctct tatctcttgc gtgaaatgca tattctggat ggtcatatgc 240
ctcactaact cttctaagga aggttgagga agagccatag ttgcttggtg ctttggttgcg 300
actactgttg ttgctgctac tggataggag gaagaacatt ggcttacttg gaccancaac 360
attctgaaaa ggagggacag gctgttggtg tgtggaggac tttccatcta catttgatga 420
ttcttcacct g 431

<210> 12155
<211> 281
<212> DNA
<213> Glycine max
<400> 12155

tgtagagcat cgatcgggtg tgggtgtagg ggggcacgta aaactgcacc tgctagtcag 60
gggagcatcc gttgctaccc atcacgtggc ggaggtgctt gccggcgtgg agggcctgag 120

ccaccatgcc ttgcattggt gattgaatgt tatgggtggg tgtggtggtg cacgtcaccg 180
 tgtcttgggtg tccctgcaac ttcattgtgt gcattaatat tcttctcttt ggaagcacac 240
 caaccatatg ttctcttttc tttgcattca ttttctttca c 281

<210> 12156
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12156

agcttgttgc aattcttcta ggctgggagt cataacatgc aatcctctag aacccttacc 60
 tcccactctt tcgttatacc gagactcggg aaccccaata ggttttgcct ttntaatgta 120
 ctccgaacaa aacttaatag ctntttttgc aacgtacctt ttaacaatag atgcttcagg 180
 atagtgtaaa ttctttgtat acccttttat gatcttcatg tattgctcaa ccgagtactt 240
 ccattggtaa ataaacaaaa ccacaacatt aatttccttc accagatgaa caattaatag 300
 aaccatgatg ctgaaaaaca aaggaaggaa atacatctcc aatggacata agataataac 360
 aacctcat 368

<210> 12157
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12157

agcttcatct aagtaccctg ctctgccaag tatatccact aaacatgaat aatgagttgg 60
 tctaggctcc acactatagt ctctagtcac tttgtagaan atctctttac cctcgtccac 120
 taatccagaa tgactacaag ccgataaaac tgcagtgaat atgccctcat ctggtgtcac 180
 acctttacct agcatttcat aaaaaatgga gatggcctct ctccccctcc catgaattcc 240
 aaatccagta accataaccg tacaagcagg caaatctttc tcatgcatct catcaaacac 300
 acgacaagca canaaccaaa cttcacagtt agcatatcat ccaataagtg cccgtccac 360
 aacaacattc acaacataac ccctcttaac aacatatgac 400

<210> 12158

<211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12158

 gcaagcttaa gtattgtatt cccatttctt ttgtacagaa ctctcttcc tgggtggcnc 60
 ttaaggtaat ggagaattat ataggatatct tgtaagtgga tttctcttgg acagtgcata 120
 aataggctca ccaagctaac aaaaaaagta atatcagacc ttgtgtgaga caagtaaadc 180
 aattttccaa ctagacgatg atacatctcc ttatccactt ctgcactgcc atcttcatta 240
 cccaatttaa tgtttgaatc catgggagta cctctcaatc gacccatcta ccctatatatt 300
 t 301

<210> 12159
 <211> 278
 <212> DNA
 <213> Glycine max

 <400> 12159

 tcaaaagatc atccccttga caacattatt gcttatatct caaaaggggt aacaactaga 60
 cattctctta aagatttatg caataatatg gcttttgaat ctatgattga acctaaaaat 120
 ataaaagaag tcatagtaga tgataactgg attattgcc a tgcaagaaga actgaatcaa 180
 tttgaaagaa acaatgtgtg ggaacttgta gagaaacct aaaaattatcc catcatagga 240
 acaaaatggg tatttagaaa taagttagat gaacatgg 278

<210> 12160
 <211> 267
 <212> DNA
 <213> Glycine max

 <400> 12160

 tccattttca attaccagt tctctatata ttacgggatt aattcggaca tcccagtaaa 60
 aagttattgt tgtttgattt tgctcagagc ttctgttctg aatttccaac gtcttgatgt 120
 accactagcc acaatcagac atccgagtaa aaagttattg tcgtttcaat ttgctcaaag 180
 cttttgtttt caattttgag tgtctcgata tattacaaga ctcaatcgga catccaagta 240
 aaaagttatt atcgtttagaa tttgctc 267

<210> 12161
 <211> 277
 <212> DNA
 <213> Glycine max

 <400> 12161

 ttatagagag ccatgccaat agtatagtga atactattgt tataagtga ctctatcaac 60
 ggaagaaaac tctcccaact tccttttttc tctaagacac atgccatcaa aaggctctct 120
 agcgactgaa tggttcgttc agtttgtcca tcagtctgag gatggcaggc tgaacttagt 180
 caaagcttgg ttcccaatgc tctgttcagg ctctcccaaa atctagaggt aaacctagga 240
 tctctatcag acactatgct agatggcaca ccatgta 277

<210> 12162
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12162

 agcttgtcaa ctctcatcac catatattgc tgtctaattc ctccttagaa tcatcacatt 60
 cagagtagta tactatagta gagactcttt aaattaatac tctgtcaatc aataaactct 120
 ctaaaataat aaatntttcc ggtcccgaca tgggccaatg caaaaaattg gaaaactcaa 180
 taaaataata agataataat ctttcgtgag atccctgtat tattttcggt cccaagaaaa 240
 tcataaatta ataattcata gaaactagaa acaaatatat tacactctat tgaaatatga 300
 ttcaatagtt gtctgtttcc tttatagtca agtctatttg gagctcatct ctaacttttc 360
 ttattgcac caatagctca ggtgttg 387

<210> 12163
 <211> 317
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12163

 agcttgctaa agcactgctn tcaactccaa cttnttgaaa ggtcaatgat gaanaataaa 60
 gaactccatt tatgcctgca aactgctgaa gtacaaaaag agtacctcca ataaaggcaa 120

ctgcaatcat acaaagaaaa tccacagcaa attttatgct tcaaactttc aagtgccatg 180
 cacaagtaat gattataaat atgtatttgt ttataaaaag agaaagtttt gttttatgga 240
 gctaaattca ttccctatc cagctgaaac tattactnta atgtacttat ttttctcctg 300
 acatggtaag caatcta 317

<210> 12164
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12164

agcttaagaa aaagatggcc ttagcaaatt tcttatttcc agaagggaat tctatcaata 60
 gacctcaat cttaaatgga gaggggtacc actactggaa aaccggaatg caaatTTTTA 120
 ttgaggcaat agatctaaat atttgggaag ccatagaaat agggccttat atacgcacca 180
 cagtagaaag agtttcaata gatggtagtt catcaagtga aagcataact atagaaaaac 240
 ctanggatag atggtctgaa gaggatagaa aacgagtaca atacaactta taagccaaaa 300
 acataataac atttgccctg ggaatggatg aatattntan ggtttcanat ngtaagagtg 360
 ctaaggaaat gtgggacact cttcgattaa cacatgaagg aactacaaat gttaaaagat 420
 ctaggattaa tgcactaact catgaatatg aatta 455

<210> 12165
 <211> 278
 <212> DNA
 <213> Glycine max
 <400> 12165

tattcaagca aatttacgta tggttgtcca tgttgccaaa agttatcagg ggcgtggtct 60
 cagccttcag gacttattac aggtagcctt ttagaaatta aagaccttcc tttccctgta 120
 gcaaaggctg tttagtgtat ggttttctctg gtttggtata ttctaaattg tgaatatcat 180
 tcaagaattt tttggattgc ctagtatttc atcaattagt taaccaagat tcttgacttt 240
 tcttaaattg gaaagagata cactaggata aaaagact 278

<210> 12166

<211> 277
 <212> DNA
 <213> Glycine max

<400> 12166

tcaagaataa tggcctcatc aaactattta tttcctgaag ggaattcaat aaataggcct 60
 cctattttta atggagtggg ttaccattac tggaaaaccc atatgcaa atttatagag 120
 gcaatagatt taaatgtttg ggatgcaatt gaagtagggc cttatattcc caccatggtt 180
 gctgggaata caacaatata aaagcctaga gaagattgga gtgaggaaga aagaagacta 240
 gtacaataca acttaaaagc caaaaacata attacat 277

<210> 12167
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12167

acccttgatg caacatttgg agagggttaat gaaacaatga gatgatgcg tccatgagag 60
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggatgagaa gagggaatga 120
 tgggtgttct agacaaaacc gaattgatgg tattaaactc aacatttctc cttttaaagg 180
 aaagaatgat ccggaggcct acttgggtgtg ggagatgaaa atagagaatt ttttctcatg 240
 caacaactat gaggaggacc aaaaggtgaa gcttgctgcc acggagtttt cggactatgc 300
 tcttgtgtgg tggaacaagc tataaaagga gagagcaaga aatgaanagc caatggttga 360
 tacatgggcg gagatgaaaa ggatcatg 388

<210> 12168
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 12168

tcggtattca atttcgagcg tctcaatata ttacgggact caatcagaca tccgactaaa 60
 aagttattgt cgtttgaatt agctcggagg ttcaaaattc aatttcgaac gtctcaatag 120
 attacgggac tcaatcagac atccgagcaa aaagttattg tcgtttgaat taactcagag 180
 cttcaaaatt caatttcgat cgtctcgata tattacggga ctcaatcaaa catctgagta 240

aaaaagttat tgtcgtttga atttgctgaa agcttcaact

280

<210> 12169

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12169

caaactaaca tgggacctga aaaaaattac atcaaagacg cgaaacaatg gagcgaagaa 60

gtctgaagaa tggcctcaac actgtaccta tggttccacc caattctacg acacatacat 120

caactggacc gatcattcca tctcccgnnn tngngccctt ctttcaatcc aatcttgaat 180

agcatcactg atatgaggca cgacctacag aggaaaacac catcataaga ataagaataa 240

tgattctcat gacaataata atattaggac caacatggaa aatgaaaacc ttggcttata 300

aatatcatca cantataaac atantacaaa atnnnttaag ccnnnctga acngttttgc 360

tacctantct ccttttc 377

<210> 12170

<211> 417

<212> DNA

<213> Glycine max

<400> 12170

agcttggcta actctatagg agacatctta tatgttgcta tggatatggg tccagcacca 60

ggtactaggt ctatggaaaa ctctatctct ctcggttggt agactgaata tctcctcaag 120

gaacacttca ggaaactctc taacaataga gaggccacac atggaaacct ttgtctgtat 180

ttctaagttg gacaagatca tgtacacttg agcttcttct tttaaagatg ccacaacttg 240

gttggcagag atacatcata tcttactca ctccagaatc atcaaaccac acagttttat 300

caaaacagtt taacaagaca tggttggaag ataaccagcc cataccaga ataacatcta 360

tttggctcaa agacaaacag atcagatcaa tctagaatgt tatgccagaa atttcta 417

<210> 12171

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 12171

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ttcagcacct aatgtcatat tatattgtaa ttgggtatct taacataaga gatttcagat   60
ggactttaat cctaatccca caatcgacct tttagcagaga tctctactta accctttggt  120
taaatgatcg gccaaattat gctgagttct cacaaactcc actgatatca caccatgcat  180
gattaactcc cgaatcatgt tgtgtctaac acccaagtgt ctagacttcc cattatacac  240
ttgactatat gccttagcca aagttgcctg actatcacac ctgatagaca tgggaggtat  300
aggtttgggc cacaatggaa tctcatagat cagatttctt agccactcaa cttctntacc  360
agctgctgct aaagctacaa attcaaattc cattggtgaa tttgtaatgc aggtctgttt  420
cttggatg                                         428

```

<210> 12172
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12172

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agcttgctaa agctgaagaa ttcttctttt ctggattggg acccgagat acttcaaacc   60
cactaggatc aaaggtggca gctgtcacag tcaatgaaat attangtctc aattcacttg  120
gcatatatat ccttggcacg catagatttt gcacctaact caccctagag ggacagagat  180
tcttgtagtc ttggaaggta ccctctacgt tggttttgtc gcgtccaatc aaaacgacaa  240
ccgtttattc accaaagtgc tgaacaaggg tgatgtgttt gtgttcccaa tagggctgat  300
tcacttccag caaaacatan gttatggaaa tgctttggcc attgctggtc ttagtagcca  360
aaaccctgga gttatttcca ttgcaaatgc tgtgtttgga tctanacctc ctatctctga  420
tgaagttc                                         428

```

<210> 12173
<211> 433
<212> DNA
<213> Glycine max

<400> 12173

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agcttatgct gcaaacatct acaatagtat tcttatacct aagcagcaaa atcagccaca   60

```

acaaaacaat tatgacctct ccagcaacag gtacaatcct aggtggagga atcatcccaa 120
 ccttagatgg ttgaatcctt cacaacagca gcagcaataa caacaacatc cttatttcca 180
 taatgttgct ggcccaagca gaccatacgt tctccacca attcaacaac agcaacaacc 240
 ccagaaacaa caaacagttg aggtcctcc acaaccttct cttaaagaac ttgtgaggca 300
 aatgattatg caaaacatgc agtttcaaca agaaaccaga gcctccattc agagcttaac 360
 taatcagatg ggacaattgg ctacacaatt aaatcaacaa cagtcccaga attctgacag 420
 attacccttt taa 433

<210> 12174
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 12174
 gctgtgccga aaggaggatt gtattatgta ttatttagag ccagctggag accatcaatg 60
 ctttccacat aatttccttg tccgaggggt tcaatttgtc gcccttggtc gaggacaaga 120
 ggagggagga gatgagggtc gccaccgcgg ggacgcccag caccgtcatt tctcggctgg 180
 aggaggtggc caaggccggg aagttcgacg tcaggagtag cgagaccaag gtgaggcttc 240
 agggtcagga gcgtgggagg aaggggaagc tggcgattgc cgcggatatc tactccgtga 300
 ctccttcttt tatggtgctg gacgccaaga aggaccatgg ggataccttg gagtataa 358

<210> 12175
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12175

agcttggatt tccttttagt atttaattta tccttcctaa gatggagcca aaccagtc 60
 cctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata cacctttggt 120
 tggttctcta tttggttctt aacctctca tgcattctt ttacaaattc tgacctagat 180
 tcccccttct tatgtattaa agaagtgtcc agtgggaggg gaatgaggtc taacgggtgt 240
 aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct atgaaccccc 300
 ctggtgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgccttct 360

agaagagccc ttaaaagggg ggataaagac ctattcacta cctctgtttg cccatcagnt 420
tgtggatg 428

<210> 12176
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12176

agcttagtgg cactcatctt cgaatgtttt ctgttaccat ccacagagtg atggacagac 60
agaagtcatg aacagagtaa ttgaagggtta tttacgagct tttgttcacg gtaggccaac 120
atcgtggggg aagttcttac cctgngtaga actatctcat aatacttcat ggaatagcag 180
cacaggctca accccttatg agataacata tggacgcaag cctttttctt ttccagatta 240
tattgcaaga tcctctaaaa ttgatgcagt agatgatctt ctcttgtctc gtgatgaagt 300
gttcactact attcgccgga aattactcaa ggcacagggt tccatgaaga aaactgcgga 360
tgccaaacgg agagaggtaa ttatgagccc ggcagggtggg tat 403

<210> 12177
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12177

tttatgtggt cttgaatggc tatcacaggc ctatatatat gtgacttgag acacgaattt 60
gctaagagag tttttcagaa caaaaagggtc ttatcctctt ataaagaaca atcgttttat 120
cctcttacaa attccttggc caaattactt gtgattcaat aaggaattat ttgagtgtc 180
aaattgttca atctatctct ttcaagagag atttcttctt ctcttcttct tcattctgaa 240
aagggattaa gagaccgagg gtctcttggt gcgaaagaat tctaaacaca naggaagggt 300
tgtccttggt tgtttagaac ttgaanagga atttacaaga tagtggaact ctc 353

<210> 12178
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12178

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agcttctatg atcagtcaag attataatTT ggtgccctaa aagatactgc ctccattttt   60
taacagcagt ggtgatcgca gcgagttcac gaacataagt ttaagaagag agtaacctgn  120
ggcaaaactg cttgctaaaa aaagctatcg ggtgtcttcc ttgggacagc accacaccca  180
taccogaacc cgaggcgtct gtctccaccg cgaaagggtt tgtgtgctaa gactagagaa  240
tgtgtcatag catgcttcaa tttgttgaag gcaacatcag cttccacggt ccagtggaac  300
tcttccttgg tcaacagact tgtaagtggg gctgccaaaca ttgcgtagct cttataaat  360
cttcaataaa agccaagca                                     379
```

<210> 12179
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12179

```
agcttctcga tatattatgc tctctgaatt ggatttccgn gngagaaggt atgaccatng   60
gaatttctcg agagcttact tcgtgcaata tcaagcatgt cgatataata tacgacttaa  120
tcggacttcc attcgataag ctatgaccat ttgaattctt cgagagcttc cgctgatcaa  180
tttcgagcgt ctccatatac tatgcgccag aatcagactt tcgtgataca aggtatgacc  240
atgggaatat cccgagagct tccgttgatc aattttgagc gtctccatat actatgcgcc  300
tgaatcggac tcccgtgtga tgagagatga ccattttaat taatagagag ctccggtgtg  360
acaataccaa gcgcaactct ttattatgcg cctga                                     395
```

<210> 12180
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12180

```
agctntggag tttccaaggg tttattcttc ttcttctttt gtccagctt cttctggctt   60
caattcatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat  120
```

gacaactttc caggttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttggttccat ccagaattgg tggctctgttc actggtcctc cttctttctc 240
catgttcata agaatttata tccctagatc tcaactcagtg atttcgagtg cctgctctga 300
taccaattga aattctgata cagaggtcag atgtcgtacc ggatgtcacg acatcacgct 360
tcagaacatg gagattatat ttgact 386

<210> 12181
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12181

agcttctaaa ctttgtacaa gtatgattct ctgataccac ttgttagaca agtggcctca 60
gatattctaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
ctattcttact ttttacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
tcaaataaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
agagaaaatg caaactcagt tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta acttgtaaact tccctttaca agttctaaac 360
acacaaggac aacccttctt ttgtgtntag agattcttta caacaagaga ctcacagtc 419

<210> 12182
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12182

agcttccatg taagaaggca attttaactt caaattgaag catctcccaa ctaaagtgcg 60
ctgttaagga gatgatgatc ctaactgtat tcattttttc cattggagcg aatgtctcct 120
cataattgat tccataggtt tgggtgtatc ctttgcaac caaccttgcc ttatatcggt 180
ccaatgtgcc attagcctga tatttaacgg tatacatcca cttataaccc attgtctttt 240
tgtcttttag tctctctaca atctccctc tcatttcttt ccaatgcacc catttcttca 300
ttcatggctc ataccagtt ctcatccttc aaggcttctt gtattgatgc agggattttg 360

atagaatcaa tagctgaaat aaaactatgg tgctgtagag aaagatnttt agtagacaca 420
aattgngata tatgata 437

<210> 12183
<211> 443
<212> DNA
<213> Glycine max

<400> 12183

tatagacaac tcaagccttt tttagtaaga atgtgggctc agtctctcaa aatattaatg 60
tcactagtct ccgtgctttc aattaagtcc attgcttctc cggggggtttt cattttgatc 120
ttacccctag ctaaagcatc caagagctgc ttagattgta gtctcaacc atctatgaat 180
atgttgagct gtattgggtt tgaaaaaccg tgagtgggat tcttccgcaa taaacctcta 240
aatctttcaa gtgcctcatt caaagattca tctggaaatt ggtggaagga agagatggta 300
gctttgcctt ctgcagtctt cgattcaggg aagtacgtct ttaagaaatt ttctactact 360
tcatcccatg acttcagact gtttccttta aaagaatgaa gccatctctt agcttctcca 420
actaaagata atgagaacag act 443

<210> 12184
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12184

atcttggttg gggctttgct agaatctaatt tcttacaatt ttntataaaa atttctatcc 60
aatagttgct atgctaactt ggtaataaat ttgctcagat tcaacaagac gcacattatt 120
aggttgggct aagcgattcg aaattatttg tggaattgct cgaggacttc tatatcttca 180
tcaagactct agactaaaaa tcattcatag ggatctcaag actggtaatg ttcttctcga 240
tagtaatatg aacccaaaaa tatcagattt tggatggct aggacatttg ggctggatca 300
agatgaagca aacacaaata gagtgatggg aacatagtaa gcttttctat agttgggtat 360
ttttttatct ccccttttac aatggcttct agcttctcat gtggactcct gttttctatg 420
cagtgggata tgcttctga atatgctg 448

<210> 12185
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 12185

agcttatgct gcaaacatth ataatagacc cccttagcat caaaatcaac aacaatagaa 60
 taattatgat ctttcaagca acacatacaa tccaggttgg aggaatcatt caaatctgag 120
 atggacaagt actccacaac aacaacagcc tgcccctccc ttccagaatg ttgctgggtcc 180
 atgcaagcca tgtgttcctc ctccaatgca gcaacaacaa agacaacaag caactgaggc 240
 cctcctcaa ccttccttag aagatttagt gaggcaaag accatctaga atatgcaatt 300
 tcagcaagag acaagacctc cattcagagt ctaacaaatc agatggggca gatggcaact 360
 cagttgaacc aagctc 376

<210> 12186
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 12186

gacactatgc tactcagctt gagcaattca aacaacaata actttgatat cgggtgtccga 60
 ttctgtcccg taagatatcg agacactcgt aattttaaac ggaagctctg agaaaaatca 120
 aacgacaata acttttaact cggatgtccg actgagccct gtaatatagc gagacgctcg 180
 aaattgaaaa cggaagctct aagaaaagtc aaacgacaat aacttttaac tcggaagtcc 240
 gattgagcct tataatatat cgagacgctc gaaattgaaa acggaagctc taagaagagc 300
 caaaagacaa taacttttaa ctcgatgtc cgattgagta ccgtaatata tggagacgct 360
 cgtaattgga aacggatgct ctaataataa tctaacgaca ataactctta actcgatgt 420
 ccgattgagt cccatattat atc 443

<210> 12187
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12187

catgcaagcn tgacattcat ttctgtcgtc ctatatatta cgggactcaa tcggacatcc 60
gagtaaaaag ttattgttgc ttgaatTTTT tcagagcttc accattcaat ttcgagcttt 120
tcgatataatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaatatg 180
ctcacagctg cggcattcaa tttcgagcgt ctgatatat tacgggactc aatcagacat 240
ccgagtaaaa agttattgtc gcttgaattt gctcagag 278

<210> 12188
<211> 358
<212> DNA
<213> Glycine max

<400> 12188

agcttcttag tttcagatga tgcagattgg tttttatcta cctcatgcac tcctctaattg 60
actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
taatgggtggg ggtaactggc acatagtttc ttaaactctt cccagtactc atacaggctc 300
tctccactga gttgtctaatt acctgagata tctttcctga tgggtgtggt cctggaag 358

<210> 12189
<211> 432
<212> DNA
<213> Glycine max

<400> 12189

agcttcctta agaagattcc ttaagaatct agttcttagc tacacatacc tctctaattag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataacaaaaa aaaaagtcct tattacaaag 180
acaactcaaa atgccccgaa atacaaggct aaaaccctat actactagaa tggccaaaat 240
acaaggccta gacgaaggaa taacctattc taatatttag aaagataagc gggctcatat 300
ttagcccatg ggctcgaaat ctaccctaag gctcatgaga accctagggc ctttccttgg 360
atctctagcc caatctactt ggagtcttct agccaatgcc cttgcggggg aggattgcat 420
caagttgtag ta 432

<210> 12190
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12190

agccatccac atacaagcat ataatgaaac aatcatcttt catagacttc ttgtacacac 60
 atctatcaac atcactagag gaaaaacat cactaagcaa agtctaatta aacttttcat 120
 gccattgttt ttgtgcttgt ttcaaagcat atggaaattt taaaagttgt cacactttgt 180
 tttcttgatt agtgaatttc agctatggtt caaccnctn ngcggaaatc aaatgctaga 240
 gtctccacta agtgtgctta agtttcatga agcatgtaaa gcatgaagga catgccccnn 300
 nnntttcaat tgggtgtcac atgctaagtc tcacctcccc ctttaagcttg gtcaaattta 360
 attggattga acttgtggca tgtaattaaa tttctttcca acacacaca 409

<210> 12191
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12191

tgtaatgcga accaagaaga atgaaatgaa ctttaagatgc tgttgggatt atcgtctacg 60
 ggccttaaag agagaaacga atcaaggacc taaaaaggga ttattaaaga ggtaaaaaaa 120
 acggaaattg taaaacaaga ataacataat aacagtattt tacttgagtc ataacataat 180
 ttcttttata ttattatttt gataatcgat acacattata agtatttagt ttactatttt 240
 atattgttta ctagatataa aacttagacg gaatatacgc gttaaccgta aaaatcataa 300
 aaatgtcttt cgatagataa ttatattttc atgctagatt ttattgacaa atacgatttt 360
 tttttatcat gaatcataaa atttatattt tgattgtaag ttttttttat canatatata 420
 attntcaact taagataatn gtttatatgt tgacaaaa 458

<210> 12192
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 12192

ctgcagcttc tgtccctgag aaacttttct tgattacaac agggagtga gattgctgaa 60
aaccctagcc ttgcaacaag tcctagggaa gtagacacgg agatggacaa gaaaatccgc 120
agtattgtga gtagcatttt gaaagacgcc tctgttcctg atgctgagaa agatgttcca 180
acatcctcca cccagatgt tgctgtccct gaagctgatg aagatgtccc aacatcttcc 240
accccgaaatg tttctgtgcc tgatgctgag aaagatgttc caacatcttc cggcccaa 300
gctgaagtac tctctttccc cagcaaagag agatcaacag aggaagatga tcaagccaca 360
gaggagaccc ctgcaccaag ggcacaagaa cctgc 395

<210> 12193

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12193

tatcctatct gttaaataca gggcatcctt gtctttatan tgcttggaca aaacagagaa 60
ataacagaat aaacttccat atggcatttg gtcacatccc aacaattcac caccttgaac 120
taacatccat ataggacaca aactgcaccc tccaaacaca catgatttta accccaacaa 180
tctacattga gcaagcttaa gcagtgatca aactgctct ttggaactgg ctttgtgaac 240
atatcagcaa gattgtgcag agtgctgac ttatgaactt tgattcttct ctctgaccga 300
atgaagtgat atctaacatc tatatgtttg gttctatcat gatgaacctg atccttggcc 360
aagcatatag cactaatgct gtcacagtag atgtagcat attcttgatt aattctgaga 420
tcatttatca gacct 435

<210> 12194

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12194

agctttaaat aggctcnggg ttcaatttct acttttatgt aagccgagtc gagccttaaa 60
aaaagcctat gacaggtaat gagtcaagct caagtcatac gtattcaact caagccgagc 120

tcaagcctag taaagcttgg cttggcttgg ctcatctcca cccctaataa tgaagaggaa 180
atggacattt ggggtgtacaa cacaacctac caaaagtga gttctagtga aagatgaggg 240
aatgggataa agtaagctag tcggcgcccg tcactttcct ctttcattca ttcattcatt 300
catttacttt tcctcacaca aattacctct gccatcaacc tgcactcacc aacccaactt 360
cttcccaaac cccaaacaga acaaaaatac aacaccttta attactctct tgctaaatat 420
at 422

<210> 12195
<211> 400
<212> DNA
<213> Glycine max

<400> 12195

agcttgcaat tgacatatag ggtcggttcta aaatgactgg aacctcatgg tcttcctcca 60
gatccatgac cacaaaatca gctggaaaga ccttcacttt tatcagaaca tcctcaatta 120
ccccgtaagg tcttgtgatg gatcgggtcaa caagttgtaa agtcattctc gtgggcatga 180
tttccaactc tcacaacctt ctacacatgg agagcgggcat taggttgcta ctggttccca 240
aatcaatgag agtctttctg atgtgccatc attttcttct atttcttaaa ccctttttgc 300
accattttta ttactgatta gtcttaattg tcaaattaat taagcagttt tattatttgg 360
gcacattgag ctaatttgat gtttttaatc taatttcatg 400

<210> 12196
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12196

taacatcaga ccacttccag gggtctgggt ctacttttca tggatttgat ggggcctatg 60
caagttgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga tttctccaga 120
tttacctgng taaactttat cagagagaaa tcagaaacct ttgaagtatt caaagagttg 180
agtctaagac ttcaaagaga gaaagactgt gtcacatga gaacaggag tgaccatggc 240
agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300
ttctctgcag ccattacacc acaacagaat gggatagttg agaggaaaaa caggaccttg 360

caagaggctg ctcggtcat gcttcatgcc aaagaacttc cctataatct ctgggctgaa 420
gccatgaaca cagcatgtta ca 442

<210> 12197
<211> 327
<212> DNA
<213> Glycine max

<400> 12197

agcttaaaca ttcaatttcg tttctctcta tatattacgg gacttaatca agcatccaag 60
aaaaaattta ttgtcgtttg aatttgetca gagattcaac attcaatttc gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
cgagcttcaa cattcaattt cgagcgtctc gatatgttac gagactcaat cagacatccg 240
agtaaaaagc tattgtcgtt tgaatttgct cagagattca acattgaatt tcgagggtct 300
cgatatatta cgggactcaa tcagaca 327

<210> 12198
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12198

nttgtagac aagtggcctc agatatctta agaagggttg ttaatataag atattgcaaa 60
ctatttcccc aattaaaatt ctatttcaat ttcaatgcaa gttacaagtt cccttaaaaa 120
tgaattctta aataatgatt caaatagaac aatctgaata taaattaaag caataataaa 180
taaaagagtt taagggaaga taaagtgcaa actcaaattt atactgggtc agccacaccc 240
ttgtgcctac gtccagtccc caagcaaccc gcttgagagt ttcactatct tgtaatatcc 300
ctttacaagt tctgaacaca caaggacaat ccttcctttg tggtcagatn tctttacaac 360
aagagacctt cgggtctctca atcccccttg agaatttaga aagaagagaa gaataaatct 420
ctcttgaaaa gatagattgg caatctgaca ctc 453

<210> 12199
<211> 380
<212> DNA

<213> Glycine max

<400> 12199

gttttagaggt attagttgac taattatggt ttattgcttc tgacttatta aggttttaggg 60
ttatttgaaa agataggggt gcttgactaa ttgggttttag gggattttga caaataaagg 120
tttaggggta ctgcacgaat tcgaatttaa gggattttga ctaatgaggg tttatgtgta 180
gttgaggttaa ttacgggttta gtgttacttg gccatttagg gtttatgggt atttgacaaa 240
ttacgggttac ttgactaatt aagggttatg ggtatttgaa aattaagggt taagggtact 300
tgacaatttg ggggtttagggt gtatgtgact aattaagatt tatagggtact tgactaatta 360
aagtttagtg gtacttgact 380

<210> 12200

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12200

agctntgata aatctgacaa agaaacgtgt tnattgtctc tatattaagg gggatatctag 60
tgaaggagac actagagaca gtggaagcag caaaatgcag acaatagttg ttgtgatcat 120
tgtcatagta acattgcttg tcatttctgg tatgctattc gtggcacata gatgcttcag 180
gaaaaaggaa gatttgcttg agtctcctca agaggattca gaagatgaca gtttcttgga 240
gagtttaact ggcattgcaa tccgttacag ctacactgat ctagaaactg caacaagtaa 300
cttctctgtg aggcttgagg aaggggggtt cggttcagta tataaaggag ttctaccaga 360
tgggactcaa ct 372

<210> 12201

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12201

ctcaagctag cttaagacac gatatagatt nctttaattt gcaactctatg ttttctcttc 60
cttcaactga gaacccatt ggttggtcca tataaacatc ctctctaaa tctctattca 120

aaaaggcagt tttcacatcc acctgatgta gctccaattc ataatgggct actaatgccca 180
 tgataatcct aaataaatcc tttcgtgaga ctggagataa cgtctcttta taatcaatgt 240
 catctttttg agtaaattccc ttagcaacaa gtctagcctt gtaacgttca aagttgccat 300
 gagagtcaca tctagtcttg aagaccact tacaaccaac tctgttacia ccctttggta 360
 attctacaag gtcccaaaca ccattatggt ccattggaatc tatctcttct ttcattagcat 420
 taaccatctc tcaaaattat cac 443

<210> 12202
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12202

tagcagttca gtttcatggt gtacagaagg acatgatttc ttatttaatt ttgattcaac 60
 acatatttca catttcttat ttttttttat cattcatatt aattaaacct agttgttgca 120
 aattcataac atacgttggga ttaacatgtc ctaatctagc atgcatata tcataagaat 180
 caatcaagta agcaaaagaa gatgcattct cattaatcac tttagaaaca tatagtacia 240
 agagaccccg atcacaataa cccatcccca taaatacatt attcttggcc ataattatct 300
 tattagactc aaacctttcg caacaatggt atagaaacaa ggtcaactct catagaggga 360
 acctgtagca cattattcat agctagtant ttccacata tgagtntgag aagaaatata 420
 ccctttcctt gaaccagagt agttc 445

<210> 12203
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12203

agcttatgca tgcaagactt tcttatttca aagtcacttt aatagctcat attataaaat 60
 gacatacaaa catatgagtc cagctagcta tcttaaacia tatgaaactt aattttttgt 120
 gatagccttc aaactacaac aatgattatt atcttctttt ttaacaaatc tatatttttt 180
 tattacaacg tagctaagtgt gggttatggt gaattcaaat ttctaataatc aatttttagg 240

atgtttttaga ttttaaagat actatccaat ctttttaaga tgtttatttt agaaattaat 300
 gtgttttttta tgtaagttt atgatttggt ataaaataga gggttttataa aaaaaattat 360
 caagcatgga atagatanga aaattacaaa ttttacacga aatattagta aaaaaatagg 420
 cttaattaaa ta 432

<210> 12204
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12204

tggcctagcc cacatcacat gttaagtgc aagcaattgc atacaaatgc tgacttttcc 60
 ttttaaaaaa ataataaaac aaagatattt gcgggtccca tgttgctcaa aacgtttcgt 120
 tttcagtttt cacatcttct gtaagtacat gaacatgtcc tgcaagggcg agagctggcc 180
 catntgatac tgaacagtgc caaaaaggta atcatccacg gaaagggttat tatcgtccaa 240
 gtaattaaac tgaaaatcaa acgcgttttc tagctttagg tccagatcat cgttccactt 300
 ggggtcgctc tgcacctccc tctcgcacgt gacatcgggc gaaaccacgt gctccgaact 360
 gctcgagtcc gtgttcaacc ttggcaccga atccgaagtc tccatgtaca attgctcatt 420
 tcctagctta tgaatctctg gcttcgtctc gttctcgtgc t 461

<210> 12205
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12205

tctaagtcac ctgcggcatg caagctttta atagaaaaga atatnnaaat attgatttaa 60
 agcaaagggt gtttgctttg ttgatttttt ttatttcatt tatattaata ttttttatat 120
 gtcaatttct ttttataaat ttagaataaa atcagtgaat tcaaatcaaa taccaagtac 180
 ttgagcattc tattcaaaac tctctcttat gcccatagct actgttcatg ttacgcgaat 240
 agcaaacatt attaatacat atttagcatt aagtcaatta tataatttaatt ttaggttttt 300
 aatgattga gtgttacgta taattttaaga attaattcaa atatacagat tgtgttaaata 360

tttttatgtg actatattaat cataaatcag tatttttttg gtattatcctt aaatttagag 420
ttaggttttt ctcattaatc atcggtataa aaat 454

<210> 12206
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12206

actccttcgc atactgttnt ttatcacccc tgtccacgtt atgaagaaac acgtgcgtca 60
caccgatcc ctttctccca cgcgccatca ttgcggcgga gtatatcacc gccatcctcc 120
caggcgcggc cgcaaaatat cctcgcggcc catcaatcat gatcacatcc caatcacggt 180
tgtacacctc attgggcagc gtgccaagtg ccagettaca ccaccgatca cttttcagtg 240
ggtggtcaga ggtgttcttg ctgacaccgg gacaataatc tttataagag gagaggaggt 300
tcttggcct 309

<210> 12207
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12207

taatcaagat aagtatgaaa aggttntttt ttcaaattct gagtagcaca tgaatttttc 60
tcaaaacatg tttaccaaag agtttttact ctctggtaat cgattaccag attattgtaa 120
tcgattacca gtaccaaaac ggatttgaaa aagttttcaa attgaattta caatgttcca 180
attaatttca aaaggctgta atcgattaca atgttttgggt aatcgattac tagtgccttt 240
gaacgttgaa attcaaattc aaaagtgaag agtcacatcc tttcacataa aagctttgtg 300
taatcgatta cactgatttg gtaatcgatt accantgatt ggttatgagt aaatcaaaag 360
atgtaactct tcaaatggtt ttgacttttn tcaaattggg ttttaagtttt ctaannagta 420
taactcttca aaatgatcct cttgaccaga catgaaga 458

<210> 12208
<211> 369
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12208

agctngaattg gaaacnagat ttctnggttt atttggtaac ccaacnggcc atgaattaaa 60
aatgtgcacc tgtcgccaga ctctgtgctt tatgctcctc tgccaaccac cacacagacc 120
tttgcccttc tatgcagcaa cttggagcaa ttgaatagcc tgaagcttat gctgcacaca 180
tctacaatag acctccggaa cctcagtata caaaatcaac cacaacagaa caattatgac 240
ctgtccacca acaggaacaa tcccgggtgg aggaatcatc ccagccttat atggtcgagt 300
ccttcacaac agctaccaca acaacgacag ccttatgttc agaaagtggc tggcctaagt 360
agaccatat 369

<210> 12209

<211> 343

<212> DNA

<213> Glycine max

<400> 12209

agcttgatga tgaatgtcta gttgcctttc atactttgaa agaaaagctt gtatcagccc 60
caataatgat tgcacctgac tggagcaagg agttcgagct aatgtgtgat gccaatgatt 120
ttgttgagga tgaggttcta tgatagcggc gagacaagat attccacgcc atatattatg 180
ctagcaagggt tttgaatgag gcacaattga gatatgcgat tgttgagaag gatatgttgg 240
ccatcgtcta taccaactta taaccaaact tctctttatc aaatatcact cgagatcgct 300
tcatgggtca acgccttaac gaatcttcgt tctcatattg aat 343

<210> 12210

<211> 420

<212> DNA

<213> Glycine max

<400> 12210

tgcattcttc ttggtcgggt acatgagcat atgcaatgct ccttatactc tcaagtgatc 60
aactcttggc ttactccac tccatgcttc ttgtggtggt tgatctttga cattctttgt 120
tggggagcga ttggacaaat aaacggcaca tgcaacagct tcggcccaaa attcctttgg 180
catatcttta gccttcaaca tacatctagt catattaaga atagttctat tttttctctc 240

tgctacccca ttttgttgtg gagatctagg aaccgttaga gggcgacgaa tcccatatTT 300
 ttcacaaaat tcattaaatt cttttgatgt gaattcacca cctctatcgg atcttatagc 360
 tttgattaca taaccactct ccttttccac aaaacttaaa atttttaaaa ctcaaagcc 420

<210> 12211
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 12211

tctaagtcac cgccgctgca gcttggaag taccggctc tgttggttg tattggTTTT 60
 gctgacaaat agtgtagttg caaacaaaat ctttagtgct aaagtacatg tgttgatcg 120
 agtggcctca gaataattaa gaaggagggg tttaattaa tttcctaag cttttactaa 180
 ttaaaaatTT acttttctaa ggcttttact atgttgtaa gagaataagg agtagaagag 240
 aaacttaacc aaaagtaaaa gcggaaatta aaatgcacag cggaaagtaa aagagtaggg 300
 aagaaggaga caaacatata agagttttta tactggttcg gcaacaactc gtgcctacat 360
 ccagtcccca agcgacctgc ggtccttgag atttctttcc accttgtaaa aatcctttta 420

<210> 12212
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12212

accaaacctg acatacctag cacatggaga gcaatgtagg cactctacaa ttctggcaag 60
 gctcaagcta taggggtcag caatttctct gtaaagaagc ttcaagattt gttggatgtg 120
 gcaagtgtgc ctccagctgt taaccaagtg gaattgcacc cttcattaca gcagccagaa 180
 ttgcatgctt tctgtaaatc caagggagtg cacttatcag tgagtgtgca aatttaaactc 240
 caaacattta tgcagtctac atgaacaatg attttaagat cggaccagtg attgaaacta 300
 gttcaatggg tcgactgtag ttgaatcggg ttatatTTTT ttaaataata tataatattt 360
 caactaataa aataatatat aattaanaaa ttataaatta atataaatga ttaaattata 420
 tatttcgtaa gataaaaatt aataata 447

<210> 12213
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 12213

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agctatggag tttccaagtg ccaattcttc ttcttcttta gtccagtctt cttctggctt 60
caatccatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttggttccat ccagaattgg tggctgttcc actggtcctc cttctttctc 240
catgttcata agaatttatc tccctaggtc tcaactcagt atttcgagtg cctgctctga 300
taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct 360
tcagaacatg catattatct ctgagtgtat g 391
```

<210> 12214
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12214

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agctnngtga ccctnanaga ttttggttta gtgtatncct ttccatcttt gtgatttgat 60
tcaaaacagc ttttaacatt tttctgtcac aagataaagg gtctaagcaa taacccaaat 120
ttggtgctcc tccatatggt gtagttgcat ggttgagagg gaacttaggc tccatagtgg 180
tcatgtgggt gaaaatgggg tttgtttggt tctgagagaa aatggagaag cacggcactt 240
gctcaaactc atctgcatgg gtttgagttt ggtcaaaact tatgtaagag tccattaacg 300
caggaagagt tgaagatccc gtgtcctcat aacagctacc catgctatgt ttggctaaaa 360
cttcactggg tttgtagaac accctacaca aaaccaatc tttctgcatg tacacaaggt 420
gcaaacatt 429
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<210> 12215
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12215

agctcgaggg anaacttgat ttcttgttca acctantaac tcagcttgcc atcaatcaca 60

aatctgcacc tgttgcaaga gtctgtggtc tatgttcttc tgcagatcac catacagatc 120

tctgtctttc ttgcaacaa tctggagtta atgaacaact ggaagcttat gctgcaaaca 180

tttataatag acttctcag caacaaaacc aacaacagca aaataattat gacctttcaa 240

gcaacagata caatccaggt tggaggaatc atccaaatct gaaatggaca agtgctccac 300

aacaacatca gtctatccct cgtttccata atgctactgg tctaagcaag ccatatgttc 360

cttctccaat gcaacaacag tagcaatagt ctcaacaag accacaag 408

<210> 12216

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12216

tatggcggca aaagataagc tacttaccct gaagcatggt gaagttggtg tttaaaaaca 60

ctgtatccct gaatagcaga taaaggctcag cttctcaaag gcaagtaaga ctctaaaat 120

tgaaaagcta taattggtgc acacaaatgt ttgggggcca gcccattga aatctgttgg 180

aaactcacgc tattatgtct cttttatcaa ctagtctacc aaaaagtat gggtttattt 240

tcttaaaaat aaatctgatg tgttttctgt gtttaaaagg cgnaaaataa atatttaata 300

tcaaacaagt cttaacggtg aaagactgaa atcttacaat ggtaaggagt atgatagtca 360

ggaagttata gacttctggt ctgaacat 388

<210> 12217

<211> 290

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12217

tttgggtgca catgataaaa gatagggttt cggaacaaag gaaatctaag cttcaaccaa 60

ggggagatgg accatttcaa gtgcttgaaa gaatcaatga caatgcttac aaagttgagc 120

tgcccgggtg gtataatggt agttccacct tcaatgtctc tgatatacct ctttctgatg 180

cagatggaga tattcgattg aggacaaatc cttctcatga tggagagaat gatgaggaca 240
 tgaccaatag catnggcaag gatccacttg aatgacttgg aggacctatg 290

<210> 12218
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12218

gacattgaga tgctatatat tgagaaatgg aagttcttga gaaattcaat tggtcataac 60
 ttttctactcg gatgtcagat tcagagcaaa atatacagag acgctcgaaa ttgaacaacg 120
 gatgctctct agaaatttaa atggtaaaat nttttcacat ggatgttata ttcgacacat 180
 aatatatcga gacgttcgaa attcaagaat tcaaaaatta aagttctcaa gaaatataga 240
 gatgaaaaat tatgaccatg ggtgtacgaa tgagacccat gatatatcga tatgctcaaa 300
 attcacaaat tgggtccaatt cacaaattca cagagcccta acttttgaca tg 352

<210> 12219
 <211> 133
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12219

agtcctatta acaacttccg ttggcccatc ggtttgtggg tgacaagtgg ttgaaaataa 60
 catttagtgc ccaacttgct ccacanagtc ctccaaaaat gacttaggaa cttagagtcc 120
 ctatcactaa caa 133

<210> 12220
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12220

acaatcagtg tcatactatn gatcanaaca nagcatgtat aaatatgcaa tactagactc 60
 aaaatatgca acaaacta gacctaaatc agtgtcacag aaattggaag aaaatatattt 120
 atccaagcac aaacttcaag ccttattcca tgtattgtgg ggaagttatg gctggccata 180

tgggtagagg tgtcatanag gagcangtat ggaggaaggg accttggact gctgaagagg 240
acaagttgct tgttgagtat gtcangttgc atggtgaagg cagatggaac tctgttgcta 300
tgcttgcaag taagaaacac caaactttnt tcacntgttt gtttcttaat atatatgatt 360
ggattttcac atttataagt gacaatatag canaaaaaca actgannatt gtttcaactt 420
ctactg 426

<210> 12221
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12221

ataataagtc anaatgtgta acacggatat ttctgttata tttattttaga aaggaaaatt 60
ggctgcgtga attgctaact ttcttttgtt actaaactaa actatttcac aactatttgg 120
ggaacttggg gatttgaatg tgatttcacg gaaaagtggg cgagcttttc tgttntctca 180
tgcaatgaac gttactgtag gaccaacaga agacagagaa ctaatgactg gtcttcacac 240
tgttgctgat gtctactgtt ctgactgccg tgaagtgctt ggctggaagt atgagagagc 300
ctactaggaa tcac 314

<210> 12222
<211> 285
<212> DNA
<213> Glycine max
<400> 12222

ccttctcgct tagtcatctg ccttggtgtg ggcggccac cgtctaaggc aatacatgct 60
gagccatact acctgggttg tgtccaagat ggatcagtta agtatatgtt tgagaagcct 120
gcccttacgg gatagatcgc tcgatggcag gtgttgctat ccgaatttga catcgtctat 180
gtcacctgaa agtgataaag ggaagcacct tggcagatta tctggcccaa caacctctca 240
atgattatca gcccatgcat cctaagtttc cagatgagga catca 285

<210> 12223
<211> 305
<212> DNA

<213> Glycine max

<400> 12223

atgacaatct gaattgctct agagattcca ttgttcaatt tcgagcgtct cgatatatta 60
tgaatttgaa tcggacctcc gagttaaag atatgaccat ttgaatttct cgagagcttc 120
cgttggtcaa ttctgagcgt ctgatatat gatgcgccag aatcggaact tcgagtga 180
agttgtgacc atatgaattt ctacagagat tcccgtagc aatttctagc gtatagatat 240
attatgcgcc cgaatcggac ctccgagtga taagttaga cgatttaaatt ttctcgagag 300
cctct 305

<210> 12224

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12224

nntgatgcaa cattggagag gttaatgaaa caacgagatg atgcgctcca tgagagggtg 60
gatcaaattgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctatac aaaaccgaat tgatggtatt aaactcaaca ttctccatt taaaggaaag 180
aatgatccgg aggctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca naaggagaga gcaagaaatg 340

<210> 12225

<211> 134

<212> DNA

<213> Glycine max

<400> 12225

tatatcgaga cgcaagaaat tgaacaacgg aagctctcga gaaattcaat gtcataact 60
tttaacacgg aagtcgatt caggcgcata atatatcgag actcacgaaa ttgaacaacg 120
gatgctctcg agaa 134

<210> 12226

<211> 323

<212> DNA
 <213> Glycine max
 <400> 12226

ctatacaagt agccgtttgg ttccaaaacc gccgagccag atggaaaacc aaacaattgg 60
 agagagatta tgggtgtcctc aaagccaatt atgatgctct taagcttaac tttggcaccc 120
 tcaatcagga caacgaagcc ttacgaaagc aggtagaata ataatacaac atagtataat 180
 atttagaaga attgatgttg agtctaatta attttaaatt aaaaagtata tgtgaatgtt 240
 gagtgagaaa acaaacttca tgctgaagtg tcctagtaat ttttgttctg ggtcgcgcc 300
 ttcaatctag aaactatgct cga 323

<210> 12227
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12227

acctctcctt cctcaggtgt acccaaacc aatcacctgg ttcaagcacg actttctttc 60
 tggctttgtt ggcttgcttg catagctcgc attnttcttt tcaatttgaa ccttcacttg 120
 ctcatgcaac ttcttcacat actcagcttt agcctgtgca tcctttgctt aaacatagca 180
 atgttaggca taggcaacaa atcaagagga gtcaaaggat taaatccata cactatctca 240
 aatgggtgaac aattagttgt gctatggaca gcccgattat aagcaaactc aacatgaggc 300
 aaacagggct tccaagatat aagattttct ttaaaacagt cctaagcagt gtgcctaaag 360
 tcctattgac tacct 375

<210> 12228
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12228

tattaaaaaa atttaattnt aatatatatt cagtataatg tttttacatt attaattaat 60
 gagaaatcac gttagatata attatgactt tttaagtaat tataacaaaa tttagcaatt 120
 ntttttttac aattttgcta ttcataacaa ttatattctt aagtgacaat ataaaaaact 180

gtagtacat tctattctaa ttaaatttca ttatagaaat gcaaaattag atgtgtaaaa 240
 ttagcaatgg tttttgctnt atttgcattt gatgtttgat atatgttatg agcatcaatc 300
 gataatattt cacaagatga ttcctaagtt agaaatgtca ccatctctag tgctgcatga 360
 cgaanatccc ataaaagaat ttcacattaa aatatttagat gatcacaaaa ataattgatc 420
 aatcaatgct tgatgacgac attacaaaaa gtt 453

<210> 12229
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 12229

tcgatggtct gtaatgatca cacagtgatg acctataatg tattgccgcc acttcttaac 60
 ggcgttgggtg atggctgcaa gctcgcgtac atatgttgag gatctcctag cttggtgaaa 120
 actgcttgct gaaaaaaacg attgggtgtc ctctctgaga tagcactgca cccatgccgg 180
 aacctgatgc atctatctcc acggtgaacg gtttggtgaa gtccggcagt gctaacaccg 240
 gagtgttagt gacaacat 258

<210> 12230
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12230

cacgttgcct aanagncaact atcatgcgaa aaagatactg tgtccgatgg gtatggatat 60
 cacaagattc atgcttgcct gaatgattgc acattgtaca gaatcaattt gaagaattgt 120
 ccaaatgccc tacgtgtggg gtatcacgta caaagtcaag atgataagga ttatagtagt 180
 gatgaaaact caaagaaggg ccccttatag aaagtgttgt ggtatctgct gatcattcta 240
 aggtttaagc gtgntngcta ataaagacga tgcttangac cttacatggc atgcatatgg 300
 gagaaaatgc gacacaatgg tccgtca 327

<210> 12231
 <211> 351
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12231

atattcgaca nagtatttcg gttatctatc aatattctct cttagttata agtcgaaagt 60
tgaaaagttg gatactagct aatttaatta caatgattaa ttagattagt tgataattta 120
ataaataaat gtcaagtgc gtaaatgat atatntaata tttctaatat atttaaattt 180
atttctaagt attaatcatc ttanaagtag gataacaatg ttntaaatta tgtattataa 240
aattntgcat agggtaagtt aacaaacagg ggaactntta ctttccctga ttcaatccaa 300
aaaaaatta tgcattggaac taaatangat aatattaatt tacgaaaaac a 351

<210> 12232

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12232

agctngccgc cacggagttt tccgactatg ctcttggtg gtggaacaag ctacanaagg 60
agagagcaag anatgaagag ccaatgggtg atacatggac ggagatgaat aagatcatgg 120
gaagcgggtat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180
ccaaggcaac aaggggggtt aggagtattc aaggaaatgg atgtgctcat gattcaagca 240
aatattgaag aagatgagga ggtaactatg gtcgatttc ttaatgggtt gactaatgat 300
atccgtgata ttgttgagct gcacgagttt gttgaaatgg atgatatgct tcacaaagca 360
atccaagtgg agcaacaat 379

<210> 12233

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12233

gagagattcc taagtattgg catgttccac ttngcgttt cccatatagc ttgcatccta 60
catagttaga atgtgaaaag ccaattatat ttaacgatgt acctttggga taccacaatc 120
caacattggg ggtgtcctta aggtacttaa tgatcatttt aacaactgct aagtgagatt 180

ccttaaagtt agcttgatac cttgcacaca agcaaact aagcataata tttagttggc 240
 tttcaattaa gtaaaaaagt gagccaatca tacatctata ctttgattca tccactaatt 300
 tacctgtttc atccgaatca agataagtgg atgttgccat tggagttcat gtntctttgc 360
 actcttccat gttgaatttc ataattagat ctatacagta tnnttgttga cat 413

<210> 12234
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12234

tggcactggc ttgtgttggc ntctgttaga tatttaaagt gctgctcccc ccatcctaaa 60
 caatacattg gcaataagct tggacttggc attacctctg tagccatttg gggctacagc 120
 ttccatgcta agaactaaag ccagcgaaat tttgtgaact ctcggcagat ctttgccag 180
 gcttattggc agcaatatgg cgctgcaacc cattccactc aggttcacac tctttacgtt 240
 gctccggaat ccaaacttgt taatgatcat tgatgtaatg gatgggtgtag gacagaatag 300
 gctacagttt gacacaagga tgtcaaagct cttggataca ctntgtgttt cacaaggagg 360
 tctttgacaa ttctgaatag aaacgattca cttctgctt gcgcgcgcct catggaatcg 420
 tccgggggga gctcatg 437

<210> 12235
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12235

gtttgtggag attcagtttg atcaanaggg gagaatntca ggagctgcta tcataacata 60
 tntgctcgaa cgatctcgtg tctgtcaagt ctctgacct gagagaaatt atcattgctt 120
 ttatatgctt tgcgctgcac cacaagaggt acattacttc catttcggat aactaattta 180
 ggctatata gttaagattt gcttccatgg tatgcgaatt tgatgtaaga ttaagatctg 240
 cttccaagaa agtaatgatt ttttctcttt caattaatac aagttagtct atgaataaga 300
 atattgcttg caagaaatta aagattggct gcatactcta ctattttctg 350

<210> 12236
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12236

tcagcgtctc gatatattat aagcatgaat cggacctacg tgtgaaaatn tatgaccatt 60
 gaattatttg agagcttccg ttgttcaatt tcgagcgtct cgacatatta tgcgcctgaa 120
 tatgacttgc ctgtgaaggt tatgaccatt gaatatctca cagagcttcc gttattcaac 180
 ttcgagcttc tctatatgtg atccgcctaa atcagacatc cgagttaata gttatgagca 240
 attgaatttc tcacaagctt ctgtagtcca atttcgagca tctcgatata ttatgcgcct 300
 gaatctgaca tctgtgtana aagttatgac cattntagtn ctatcggagc cttccgtttc 360
 aatttgagcg tctctatatg tgatgactcg aatcggacat cgagtagaag ttatgac 417

<210> 12237
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12237

tcttagtttc agatgatgca catgggtgtg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
 tggcttcagc aagagtcatt tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt acagagtcct tcataaaaat attggagaag aagctattct gaaatctgat 240
 ggtgggggca actggcacat attctcttaa atctctccca gtactcatac aggctctctc 300
 cactaagttg tctaatacct gagatatact tcttgatggc tgtggtcctg gaagcangga 360
 atattttttc taagaatact ctct 384

<210> 12238
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12238

taccttgata tacttcagct gaattctgca nagacaactg atagcctgga tgaattgaac 60
tccactaatc aagttaagat atagacatgg atgaaaatgc tgattctttt gtggatgaat 120
ctgttatgga aaaggttctc cacaagagga gtttgaggat gcgtaaatgc aaagagcttg 180
gcaggttttg tttgatttct tgaattttcc atttgatat tgcatntggc atcacatgtg 240
cttggaatgg aatagtaatg atcaagagtg tgtgactgtt ggtttanttt ttgtannatt 300
gttaatttct tttccattcc aatttcatat ccaaactatg agttagtct 349

<210> 12239

<211> 449

<212> DNA

<213> Glycine max

<400> 12239

tctctgatag ccaatgtgtg agtcccgttc agggtagttt cgatgaatac cggcctcgcc 60
gtgatcaaaa atgagaagga ggagttgatt cctactcggg tgctgaacag ttggagagtc 120
tgcattgact ataggaggca gaaccaggtt accaaagagg accattttcc cctgccattc 180
attgaccaga tgcttgaacg cctggtaagt aaatctcact actgtttcct tgatggtttt 240
tctagttata tgcaaatcac tattgtcctt aaggatcatg acaagaccac attcacctgc 300
cccttcagca cttttgocct taagaagatg ccttatggcc tgtgcaatgc ccctgggtacc 360
ttacagcggg gcatgatcaa tatatttagt gattctttat aacatttcct agagggtgtt 420
atggatgata tcaactgtata tggatcgtc 449

<210> 12240

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12240

gctctgatac cactngctaa acaagtgacc tcagatatct taagaagggg gggttgaatt 60
aatatattac aaattatttc cccaattaaa attctattta actttctatt caagttataa 120
attcccttaa taatgaatat cttagatgtt gattcaaata gaacaatctg aatatgaata 180
taaacaataa taaataaagg agtttaatgg aagagaaagt gcacactcag atttatactg 240

tgctggccac acccttgtgc ctacgtccag tccccaagca acccgcttga gagttcatta 300
tcttgtaatt cctttacaag ttctaacaca c 331

<210> 12241
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12241

tcgtccgaaa ctacgtgtcg agtctgtggc gatgagattg tatacatgga aaatggngag 60
ctgtntgtgg cttgtcatgt gtgtagatgt cctgtttgtc gaccgtgtta tgaatatgag 120
aggagtgaag ggaaccagag ctgtccacaa tgcaacactc gctataagcg ccacaaaggt 180
tagttcagct ctttaagctt tgtgttatgt attaattgtat taggacaaaa catagatgca 240
gttccttaca tgcatttggg gatgtttctca gattataaga attggagttt tatcttgata 300
atctgggtaa taaatgttta cattaaatgt ccaagtgggt ttgggaccac cgtgtttctg 360
accaaggata aaatngaaaa taaaaaaatc cgtcagtttg aagctgaaat tctaattctg 420
attagagaat aacaaaacac ctaaagaat gcaccttagt atgataac 468

<210> 12242
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12242

agtgttatta tgtttataat atatgtatgt cttgagagna ttatgataac aaaattaatt 60
gaaaatcaat tagagaacat caacccttca aaattgtgtc ctctcatagt tgaagaanaa 120
aaagatgtca catctaatta ttcatntttt aagaaaagta catgtgattg atataattaa 180
tataatttat ataattctaa ttatagaaat tgaaaccaat tggatgatc actataagat 240
aagagcacat angacaagga atgctctgat actaaatgga gtatttaatt taatgcacat 300
tcttttgaat aatttcaatt attatcttta tataagatat atggaatctt tgtattataa 360
aacttctata ggtgctgtgt tcgaggatgt ntctttacaa tata 404

<210> 12243
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 12243

ctgagagaac cactccaagt ctagatactt gggatttctc acattcttca caacatatat 60
 tatcctaaag tcattcttct tactatcatc cataaacctt gtatcaagct tggtgagaac 120
 agcttgagag cactgaaatt ctgataccag gggacagatg tcgtacagga tgtcacgaca 180
 tcacgcttta gaacatgcag tttatgtgtg tccgtatgaa cagattaaac aagtaataac 240
 acaagagaat tgttaccag ttcgggtgcac ctcacctaca 280

<210> 12244
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12244

actcggagat ctgattcagg cgcataatat atcgagacgc tctgaaatga acaacggaag 60
 ctctcgagaa attccaatgg tcattacctt taactcggag tctgatttag gcgcataata 120
 tatcaagacg ctcgaaattg aacaacggaa gctctctaga aattcaaatt gtcataactt 180
 ntcaactcga gttcgattca agtgcattat atatccagac gctcgaaatt gaacaataga 240
 agctctcgag aaattcaaatt ggccataacc ttttaactcg aggtccgatt taggcgcata 300
 atatatcgag acgctcgaaa ttttaacaatg gaagctcttg ggcaattcca atggtcataa 360
 ctattaactc ggacgtccga ttcgagtga aatatata 397

<210> 12245
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 12245

tgaatcggat gttcgattgt gtcccatagg atatctagac gctcgttatc gaaatcggaa 60
 gctctaagaa aagacaaacg acaataactt taaactagga tgtccgattg cgccctgcaa 120
 gatatccaga cgctcgaaat tgagaaccga agctctcaga taagtcaaac gacaatcact 180

gttaactctg atgtcctatt gagccctgta atatatcgag acgctcgtta ttgaaaactg 240
aagctctaag ataagtctaa ctacaataac ttttgactcg gatgttcgat tgagtcccgt 300
attatatcta gactctcgta attgataaca gaagctct 338

<210> 12246
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12246

ctgctatatt tcctcgttgt ttctgggttca tgcaggaggtt attaagctgt gacttacttt 60
tcctgttatg tgaaattgca gacgggcatt ctgggacaag aggatttcac acgatgtcaa 120
catatatgct ctgggtgagg tatgctctgt aaatcaaaac cttcaaatac ttgtttcaat 180
atgcttcgag gagcattgat aattattgat cctcgcaact ctaaaattat gctactaata 240
tgaacttaca ggatatgtct tcaaaatcac tgggtggttgt gacaaacaag gattgccaat 300
gaagcatgga gtgctaacga cctgctgtgt tcactctttt ctccacagag gtagaactgt 360
natgaagcat cgatcttcaa attgtgatca tttatcatat tataatgtga catcatctgc 420
cacatttggt 430

<210> 12247
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12247

ctgcagctag tagacattca caccatgaat ccttattatt actacaccan aattcttcat 60
gaatgatgaa tttcataaca ttaataggat acaaactntg tttattctta taactcataa 120
aacaattata tatatgcttg gaattgattt aaaaactctt aagaaaacac ttagcataat 180
aaaacactga acatcagcag ttttgaaata ataataatga taaaatctaa gtacattttg 240
aaacaaatat attataataa taagataaaa naatctaata tattagcaag aattgaatct 300
canaatggtg agtctataaa ataaataaga gaggtcatat ntatantttc aaataatcat 360
aattaagtac gtagttataa ttgattgaat gtggggggtt ttttagtacg gataacatat 420

naaaatagtg ttttttttaa

440

<210> 12248

<211> 447

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12248

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atacactcat taatgcataa ttaagaatta gacctgggct gcagtgattc cttttacttc 120

gctataatct cctttctcaa gcctttgatt gtctatgtta acttctttgc ctctgagact 180

gtttaactct tcaacaggcc attgcaccaa ttgtctcca gtaaaatcga gccacacagt 240

tcgtggaatc gctaattat tntaccagac acatacatgc atattacaat tcctttaatt 300

tgtataagga taaaaaata aaacacttat agctgaatgc canacanaaa acatganagg 360

gagttagaga ttcagaatcg agcanagatt gagtaaact agaaatatct ctctcaatcc 420

aggaaaaaaaa atattgaana catatgt 447

<210> 12249

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12249

acactngtaa caacactttg cttgtcctan attatgtaga ttntcccctt agatgtacag 60

atgataanac ttagtgaagt cacgaacaag atcacggtga ccctcaactt agtgaagcct 120

acactattag aaattacact ttcaacatcg gttattagga cattctacat cagttctaaa 180

accgatgtta aaagtgccg tggtgaatgt atcatcggtta agatcggttn tgaaaaatcg 240

atgttaacat aaatacaata acattgggtg tctaaatacc caatgttaaa cacaatgaac 300

tacaacaaaa aaagtgtatg cgtgatgaaa gttgacat 338

<210> 12250

<211> 368

<212> DNA

<213> Glycine max

<400> 12250

tcacaaagag aatcatcttg atatgataac tctggaagtt ctcttacaag gctatgcttt 60

tgaagcggtg agattaacct caagctagca tgaccaagct tcttatgtca aaccaataa 120

tgctctttga ctgagagtag gcatgaaact tttggactag acagatcacc aagtttaatc 180

ttatacagat ttccttgtct cttagcctag aagagtgaag agttttcctt gttctcaatg 240

atacacatat ccttggttaa agtgacattg tatccactat cacataattt acttatgcgt 300

aagcaaatat gcttcaaccc tttaacaagc aaaacattat ctatgaagga taaggaggaa 360

tacataact 368

<210> 12251

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12251

ntngactgtt cactaacacc aagaaaaatg cntttttctt ctttgtcatc tagctntctt 60

ctcttgatgat ccggaatgtg agcataggca acacacccaa aaatttgga atgatctact 120

gctgggtcttt ccccgctcca tgcttctctt ggtgtcatat tttgaacaac aagtgtggga 180

cttctattca aaatatgaat gctccagttg acagcttcag gctagaaagt tttggaaact 240

ccactccttg tcaaaatact ccgcaccatg ttcttaattg tacaattttt cctctcgcac 300

acaccatt 308

<210> 12252

<211> 175

<212> DNA

<213> Glycine max

<400> 12252

agagattgaa gccttcattt tgtactgtct tcgtgcgaat cacttttctc tcttgataaa 60

tagtatttcg taaatcccaa cggtagaagt gtttaccatt gaatcgggaa ccaggtgtcc 120

aaatttcatg acgatccaat ggtttatgat tccgggatcg tagttttact ggaca 175

<210> 12253

<211> 476

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12253

agcttgcaat tacaaatgag gggcataaca aaaagtctat tatactacaa aggaagcaaa 60
 aaccaaacac aatagtgtcc gtaaaaaatg gttgaatttc caatggcaag tatagaacaa 120
 tttattctcg tttttttttt tccttttgaa tacttcaa at ttcattttgt ctcggttaat 180
 tgtgggaaag caatattact atggtgttgg cacattttca tcttgcaatt gtggaagcac 240
 aagtaggata atctttgttt gaccaacttt cttaatttcg acaagcctgc attggtcttt 300
 caatttgac taattctgca gcttccttct ccaattgcct acaatatctt ccaaacgttt 360
 ctacaccaac ctgaagtcta aaatctatgc caaatagaaa gctcatctcg aacctgttta 420
 attcagatgt gctcactcct ccaacttttg catagtangc attgttgtag aatctg 476

<210> 12254
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12254

agcttgaaat acagaataga ggctctgagc ttaatcttac gataataact ttttactcgg 60
 atgtccgatt gtgtcccgta gtatatcgag acgctcgaaa ttcaaaatag aagctctgag 120
 caaaatcaat cgacaataac attttactcg ggtgtccgat tgtctcccgat agtatatcga 180
 gagccttgat attcaaaata gaagctctga gcaaaatcta acgacaataa ccttttactc 240
 ggatgtccga ttgtgtcccg ctgtatatcg agacgtcga aactcagaac agaagctctg 300
 agcaaaatca atcgacaata actttttact cggatgtccg attgtgtcct gatgtatata 360
 gagacgcttg anattcagaa tagaagctct gagcaatata aaacgacaat aactntttac 420
 tcggat 426

<210> 12255
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 12255

gaattcatta atcttctttt ccaactaaaa accattgtga gggggaagca tatgacgaaa 60
gttaagaatc tttttatttg acttcccatt taggtaaaca aaatgggtag tcaaagttat 120
gaaaccctta gtattaatag atgtccataa atcagaagtt aaacagatcc tgccaggaat 180
agcacacaac agttctttac tgatggtttt ctctctctca tatattctca acatattagt 240
cttaaaagta tttctagaaa ttggttaatt gaggacacaa ataacttatc aaagcctgaa 300
actctggata cttaacaaaa atgaagggca aattacgcct aatcattaga ttacacaaca 360
attcgcggtgc catcatttga tctatctctt tggccttaaa ctttccttgc atgtctaana 420
tcatttgact catatcttnc aaatttttta tctcacatct cccattatga 470

<210> 12256

<211> 445

<212> DNA

<213> Glycine max

<400> 12256

attcaacgac atactttatt ttgatgtctg attgagtccg aatatatcga gacgctcgaa 60
attgaatggt gatgggtcgtt gcaaattgaa acgacaataa ctttttactc tgatgtctga 120
ttgagtcccg taatatatcg agacgctcga aattgaatct tgatgtctcg agcaaattca 180
aacgacaata actttttact cggatgtctg attgagtcct gtaatatatc gagacgctcg 240
aaatttaata cgaaagctat gagcaaattc aaacgacaat aattttttac tcggatgtct 300
gattgagtct cgtaatatat cgacacgctc gaaattgaat gttgatgctc tggtcgattt 360
caaacgacaa taatttttcg gccaacattg cagaattttt tacaacact ggtcgataat 420
atttctttat ggtagacgaa gtttt 445

<210> 12257

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12257

agcttaggct ttgaaaaatg tctaagtgag tttattttga tgcagaaga acgatgctgg 60
aatagtcatt gtctccttgt atgttgatga ctacttatg acaagaaagt caaaagagct 120

gattgaagaa tttaaaggag gaatgaaaga agcctttgaa atgactaatc ttggaaaaat 180
gtcattttttc ctttgtatgc aggtgcaaca agatagaggt gaagtctttg taagtcaaga 240
aaaatatgca aaggaaattc atagaaagtt caagatggag gaatgcaagc caattgcaac 300
gccaatgaat caaaagttga aattcagcaa tgaagatgga gctganaagg ttgatgaaaa 360
attgtacagg agcttaatag gatgtctgat gtatttgact gcaaccaggc cagacattac 420
ctatgcagta ngcttggtgt cacgatatat gcaactgtgct agtgagattc at 472

<210> 12258
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12258

agcttatgaa tgatatgaat cgaactcatt ttctatatcc aatttctaata tataattatt 60
atccatactt tattttattta tttattttat caagaaacat ttaatgtgaa ttttaattaat 120
taaaacacgt cacttagtaa atcattaaaa tttatacatt aattatattt ttgtattaaa 180
ttaaataata taataatgaa ggaaaaatcc ctcgagaaaa acataattta tagaaatgaa 240
ccactcctct cacattaaag ttctaccaac acatgtatgg ggcgtataca aatattgttt 300
ttatcaggcg tatgagaatg gttctatagt acccttttga gatcctatcc attgttatcc 360
atattgatga tccatttttg tgctcaagag ctactcatat tttttatact agtaataggt 420
ataattntta tttgtaataa aatactcata caatgttaaa ttggtttcta gaatactttt 480
taatgttatt aatataatat ntataaatag gtacatttgt c 521

<210> 12259
<211> 590
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12259

agcttgcttc tacacttaag tgtttggggg gtagttttat aaaatgttgg ggggagttaa 60
aacaaaatgg gcttttcaaa taaaaatccg acccacttta agtgactcag tacaaaaaca 120
ttgcatttca ttaagcttgc gtttagtgat cacaatccat atgttggatg catgtgtata 180

gtgcacaaga cttactaagc tcattggacg ataggtcctt tggatgcata tcaatgtggt 240
gagaccttcc acataaattt gaaacttcat tccacaagaa gcatgccaaag caaactctta 300
gcgagattaa cctatcctca gtaaagggtt ttgtaaataa ataaacaagt tgatctcctg 360
tagatacaaa atgtaattcc atagtaccct tctaagtgtg atcccttatg aaatggtggt 420
ttatttctat atgtttggct catgaatgca tgatangatt nttagaaaga tcaatagcaa 480
caatattatc acaaaggata gtaatggtag tctcanatag gttatagtcg tcaagctgat 540
gtttaatcca caggagttga aaacaaaaac atgcagntga tatatactct 590

<210> 12260
<211> 470
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12260

gctttgaacc attaaatgac aataactttt attctgatgn tganngaggn ctgtaatata 60
acgagacact cgaaattgaa tgttgaacct ctgagcaaat tcaaacgaca ataactttct 120
tctcggatgt ttgattgaga ctcgtaatat atcgagacgc tcgaagttga atgtttaagc 180
tttgagctaa ttcaaacgac aataactttt tactcggatg cctgattgag tcccgtgata 240
taacgagaca ctcgaaattg aatgttgaac ctctgagcta attcaaacga caataacttt 300
tttctcagat gtttgattga gactcgtaat atatcgagac gctcgaagtt gaatgttgaa 360
gctttgaact aattcaaacg acaataactt ttactcgga tgtcagattg aggcccgcat 420
atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg 470

<210> 12261
<211> 607
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12261

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ttctaccttt agtcttggtc ttagagatgg cttgtgaaac caagtcagtg ttggttatgt 120
ttcttgtttt cttggttgct aattgcatgc aacattgtgt ccacggggtg tctcaagtgc 180

cttgcctttt tatctttggg gactctatgt ctgatagtgg aaacaacaat gaacttccaa 240
ccacttcaaa atctaatttc agaccatatg ggatcgactt tccattagga ccaactggga 300
gatataccaa tggccgaaca gaaattgaca taatcagtaa catttcttta cactaattaa 360
gatcctcttg tttttcctta aagtatatat ttagcattca gtacagcaat taaagattnt 420
aaattcaaac ctcattatga attgttttga gttgtgatgg actaccttct gttaattaa 480
tcancaattt tttagtagtg gtgaaagaat annaactata tttatntata gagccaagtg 540
tcctttctct tgctctatac atttttgtca agctcacact agagttctac aatngcagct 600
caatttc 607

<210> 12262
<211> 555
<212> DNA
<213> Glycine max

<400> 12262

ttttgaatca tgaatcataa tttatcgaat tctaagataa aaaaacatca aaaatagctt 60
ttaatatata tataaatgat aatgatgtga atactcaatg tataatttaa actaaaaaat 120
cgccgtaagt ctcaaaaaac gaaatcacia ctcatctct acttgatatg tgaaaccttt 180
aatttaaaga taaaagaaaa gcaacggaca accaaatata gtgcataaag agagagtgac 240
agtgtgaaac ccaatttaga aaataaaata gatatctgaa tatcaagtgt gtgtgtaaaa 300
gatgaccttc attcctttta ttaacagctt agctataaaa catttcattt ctttataagt 360
agtaaattaa agaaaaaaaa ataaaatcat gaatgttgac tgtgcgtcta tcgtgatcaa 420
acatgccatc atcatgattc aattctagta tctggatcat cacatcatga tgacagtcaa 480
tattgtgatt caatctgaat gaagatccag tatatgttct tgtgactaaa caatttctac 540
taaaacaaaa ctctg 555

<210> 12263
<211> 550
<212> DNA
<213> Glycine max

<400> 12263

gtttttgttg tgttactatt ccacatgtta aaccttttca aaacatctaa aatatacttc 60

ttttgggtgca tgaaaattcc ctgttccactg tatgcaaact ccaatcctag aaagtatgat 120
 aatgttccca ggtctatcat ttcaaattcc ttcttcaaatt tctgttttag tgagtcaatc 180
 ccaattgagc tactcctagt aagtgataga tcatccacat atagacaagt gatagatcaa 240
 tcccaattga gctactccta gaaagtatga taatgttccc gctccttcag cttgcataac 300
 tctattgtct gcaaacctta cattactctt ctgcattgca tcaaaattga caagccaatc 360
 cctatgtcca gtcatatggg ttgagcatcc agaatctatg taccaagttt cattattatg 420
 agattctgaa tcggtaatca tcatcagcat caagggttgt tcttcaaagt ctgcttcatt 480
 ctcttctttg gccatatgtg cttgataatc attgtgtgat tgattcccc tgtgatctat 540
 gctacttggc 550

<210> 12264
 <211> 540
 <212> DNA
 <213> Glycine max

<400> 12264

tttcgtgaaa ttgaaatggg cataacactt cactctgatg tccgattcag gcgcctcata 60
 tatcgagacg ctcgaaattc aacaacggaa gctctcgaga aattaaaatt ggcataactt 120
 tccacttgga tgtccgattc aagcacatca catatggaga cgctcgaaat tgaagcacgg 180
 aagctcttga gaaattgaaa ttgtcataac ttttcaactg gatgtccgat tcaggcacat 240
 cattttattga gatgctcgaa attgaacaac ggaagctctc gagaaattca aatgggtcata 300
 agttatcaca cggaggtccg attcaggaac atcacatatt gagacgctcg aaattgaaca 360
 acggaagctc tcgagaaatt caaatgggtca taagttatca cacggagggtc cgattcagga 420
 acatcacata tcgagacgct cgaaattgaa caacggaagc tctcgagaaa ttgaaatggg 480
 cataaccctt cacacggatg tccgattcag gcgcatatat atcgagacgc tcgaaattga 540

<210> 12265
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 12265

agcttgatga atctggaatg acacatgcct atcctgttat attatgggtc agccctgtgc 60

cctgagacac catgatatgc tgactcactg cgacacaaca tacgaccgg atacttgatt 120
cctacaagga tcatggccta atgaataatg tgaattgatt accttgcttt taactcagcg 180
accgcgatat agccctttac ctcttccctt cctggagcat atgcgagaca ggetacccga 240
accagctttc tattgctatc tagatggata ctccgggtat aatcaaattc ttgttaagat 300
aggggatcaa gagaaaaaac acttcacttg cctctttgga ctttgcaatg caccagccac 360
attccaaagg tgcataaatg ccctcctttt tgacctggta gaaaaatgca tagagggtgtt 420
tatgcatgat ttctctgtat taagagattc attcatgcca tgtctcatca gctttgtaag 480
tcctagaaag atgcattga 499

<210> 12266
<211> 524
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12266

agcttttaggc tcaatggccc cacatagaga atggcctagg tgtagccatg acgttcaaag 60
gtatggtgga gcattaacat tatcagtga ggcctgacac ttatggcatt tcttcacatg 120
gatgcaacaa ttgctctcca tagtgagcta gtaataccca gttctcagaa ttttctaggc 180
catggcatgt ccattgggtat gcgttccaaa ggatccttta tgcacctcta ctagaatttg 240
ctcagcccct ttagcatcca tacaccgaag tagtaccatg tcatgggttat tcttgatatag 300
gatattccca ctcangaaga agtcgggtgc caaccttcac aacattcttt tatcggtgtc 360
agaggcctcc cgtgggcatt ccttgctctc gatgtatcgn ttgatattga agtaccaagg 420
cttaccatct ttctcttctt ctattaagca acaatgtgca agctcatcac gacatctgaa 480
ttcaatgtac gacaaatctc catgctgggt tancaggaac atgg 524

<210> 12267
<211> 371
<212> DNA
<213> Glycine max
<400> 12267

tagctttgag caaattcaaa tgacaataac ttttgattct gatgtccgat agagtccgt 60

atttatatcga gatgctccta attgaaaata gaagctccga gccaatcaaa acaacaataa 120
ctgttgactc ggatgtccga ttgtgtcccg caatatatcg agacgctcga aattgaacac 180
tgaagcactg agaaaaatcc aacgactata catatttact cggatgtgcy ataagggccc 240
ataaaacatc gaaacactcg taattgaaaa cagaagctct gagcgaattc gaacgacaat 300
aacctattga actcgggtgt cgcaagtgcg tccccgaata aatatctaga cgcctagaga 360
ttgaaataca g 371

<210> 12268
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12268

agcttgtgtt gttgtgtgct gtaaaagatg ttccnctaatt ctaacatcct ggaccaccac 60
gtgttatctc acagactttg actgcagtta tggtaaact aatccatggc tctctgcttc 120
tgggtacaga ttacagatta cacctgtttc tgttccttcc attaattgct gaagggttat 180
ttctactcac taatttcctt tgattaagtt ttataaattt gaattttaac aattaaattt 240
aatgtatttc gaaatgagta cattttaata acaataagaa taatgatata ttagtaataa 300
aatttcttaa cttaatatata tttattttca aatatatata tatatatata tatatatata 360
tatatatata tatatatata tatataaaat aaaatatgtc ttagctttta tattaccttt 420
taaattatat aatttactta tatatggtat aatataaaaa tgttatgaga tagttaatta 480
tccctttcat agattataaa ctctatcaaa taact 515

<210> 12269
<211> 363
<212> DNA
<213> Glycine max

<400> 12269

agcttcaaca ttcaatttcg agcatctcga tttatttctg gactcagtca gacatccgag 60
taaaaagtta ttgtcgtttg aattagctca gagcttcaaa attcaatttc gatcgtcttg 120
atatattacg ggactcaatc agacatctga gtaaaaagtt attgtcgttt gaatttgctg 180
agagcttcaa cattccattt cgatcgtctt aatatattac ggatctcaat cagacatccg 240

agtaaaaagt tattgtcggt tgaattagct cagagggtca gaattcaatt tcgagcggct 300
 cgatagatta cgggactcaa ttagacatcc gagaaaaaat tattgggggt tgaaatatct 360
 cac 363

<210> 12270
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 12270

gctctgcttc tgaaagagat tcgattttct caacttgaat cagtttatca tcattcttga 60
 tcctgccaaa ggcaacaat ttacatctat tgtccctcaa aacattaata aggttattaa 120
 ctgaatatgg taaattttaat aaaagaaata ctgtagttaa aaaaacacat aaaccttcaa 180
 gtgtgggtgtg cagtgcacaaa tataagaaat ttatgaaatt gcaaaaatcc ttatctaaac 240
 aaccagatac aaagaaaatt ttcaccataa agcataaaat gaaaattacc agagaagaac 300
 caatgagcca tgcatatata aaaaaaaaaac agagttttga cagaaaggga aaatgaataa 360
 atgaatctta ctctgtaat cttttgcgga gcatgtaacg caaatatgca tcagttccat 420
 atgggctgat gcccatatat ttacacata 449

<210> 12271
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12271

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 actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
 tttctggctt cagcatgggt catgaatcca atggctccac cactggcagc atctatcata 180
 cttctctcca tattattgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
 tgatgggtggg ggcaactgac acatattttc ttaaactctt cccagtactc atacaagctc 300
 tctccactga gttgactaat acctgagata tccttcttga tggctgcggt cctggaagca 360
 tggaaaattc ctctaagaa tactctctta aggtcatcct agctcgtgat ggaccttgga 420

gcaaagtatt acagccagac cattgccact ccctctaattg aatgaagaaa agccttcaca 480
aatatgtgat cctnctggac atctgngngt ttcattggtg 519

<210> 12272
<211> 503
<212> DNA
<213> Glycine max

<400> 12272

agctttgatg caacatttgg agaggtgaat tttatttcta gatgatgagc tccatgagag 60
gttgatcaa atggagaata cagatcataa tgaagaagaa aggaggagaa gagggaaatga 120
tggtgttctt agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg tattctcatg 240
caacaactga ggaggacaaa aagggtgaagc ttgccgccac ggaattttcc gactatgctc 300
ttgtgtggtg gaacaagcta caaaaggaga gagcaagaaa tgaagagcca atggttgata 360
catggacgga gatgaaaaag atcatgagga agcggtagt gccggctagt tactcaaggg 420
acttgaaatt caagctccag aaactaacc aaggcaacaa ggggggttgag gagtatttca 480
aggaaatgga tgtgctcatg att 503

<210> 12273
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12273

gcttgggtggg actntttgtt ctaacttaca cagcatcact gttatgttat tttccataat 60
tcttaagtgc tcaatattta aagttgtcga aattaattct ctgaaaaact ggctaagtgc 120
aacaatggc ttccaaataa gttttggtta tgagtcaaat gcaattggaa gcaaccgttg 180
catgaaaaca tgacaatcat gacttttcat tccatgaatt tttctcttgt taagatccac 240
acaccgacct aaattggagg catagccatc tggtaacttt agttctttga cccatttaag 300
aacagcgagt ctctgggatt tggtcattgc ataagctgcc tttggtttaa agaacttgct 360
acgaccaaca tctaccagct caagctcttt ccaattacat atttctgcta agtccattcg 420
agcattgtgt gtatccttgc tttttccatt gatgtccatc acaatgttaa agacattcat 480

aaacacattt atttctgtgt gcatgacatc aatgttat 518

<210> 12274
<211> 562
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12274

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atggctttga ttttcttatg gtccacttgg acccatttct accaactaca aaccctaaaa 120
acactatatt atctacacaa aaagtacact tctctatatt tgcatagagg gtgtttttcc 180
taaggactga aagaacttgc ctgagatggt ctaagtgate atctaggctc ctactgtaca 240
ctaaaaatgc atcaaaataa acaactacaa aaatctactt atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttgggtgc attagtgage ccaaaaggca tcactagcca 360
ttcatacaaa tcgaacttgg tcttgaaagc ggnntttccac tcatcacctt ttttcatctt 420
gatttgggtga taccactttt taagatcaat tttgaaaaga tattggccca tgcaactcat 480
caagcgaatc atcaagtcta ggaatggggg gcctataact tacaatgatg atgttgatgg 540
ccctgcaatc tgtacacatt ct 562

<210> 12275
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12275

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ccaataagat cttgaaatat atgattctca caaataatag ataaatagtg catctctttg 120
tccatagtat gacttgtctc cgatgcactt taattcctag gaagatgaga gaaccaagat 180
tttgctttca tgattattct ttctgtctct ccacgtttgt gataggtagg gattagagag 240
aacatTTTTT tgtcaagaag aggaccttat ttcacgttag tgtgtattag tgccttttat 300
aaccactact cacatcaagt agcagttatc tttagaaact tgtgctattc aaccaaatat 360
aatttacgcc ttaattatta tttatttatt tattagtooc tacataagtc acatgtctct 420

cacataagac attaatTTTA acattctctc acttgactta tgtgacatta ctaaacatta 480
 tggactaaat aataaattga ttaactaaca taatgtgcat aaaatgacta acccttctat 540
 acatggtaca tcataattc 559

<210> 12276
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 12276

agcttccatc acacatagca gggtttatcc tcaattgata cctcctaagc ctttcgaaca 60
 acttcctcag gttgacaagg tgttcctcct cggctcttaga tttggcaatt atgtcatcca 120
 cgtagacctc gatctcttag tgcacatcat cgtggaacaa agctaccata gcccggtgat 180
 aagttgcccc ggcattcttg agtccaaagg acatcacctt gtaacagaat gttccccaca 240
 ggggtgacgaa ggtaatcttt tccatatacct ccgacgccat ctttatctga ttgtaactgg 300
 agaaccgctc catgaaggaa aacaaagcga aattggccgt attatccacg aggatatcga 360
 tatgcggaaa aggaaaattg tctttgggac tggctcgatt caaatccttg atatccacac 420
 acatt 425

<210> 12277
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 12277

cttcaacatt caatttgagc gtctcgatat atgacgatac tacatcatac atccgagtaa 60
 aaagttatag tcgtttgaat ttgctcagag cttcaacatt caatttcgag catctcgcta 120
 tattacggga ctcaatcaga catccgagta aaaagtttgt tgtttgaatt ggctgagagc 180
 ctcaacattc aatttcgagc gtctcgatat attaagggac tcaatcagac atccgagtaa 240
 aaagttattg tcgtttgaat ttgctcagag catcgacatt gaattgcgag cgtctcgata 300
 tattacggga ctcaatcaga catccgagta aatagttatt gtcgctggaa tttgctcaga 360
 ggttcaacat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 420
 aaaaagttat tgcgtctg 439

<210> 12278
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12278

agcttcaaca tcagaccact tccagttttc tggaactact tcacatggat ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
 ccagattttac ctgngtaaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcattcactc 300
 atgagttctc tgcagccatt acaccacaac agaatgggat agttgagagg aaaaacagga 360
 ccttgcaaga ggctgctcgg gtcattgctc atgccaaaga acttccttat aatctctggg 420
 ctg 423

<210> 12279
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12279

gggcaattnt aaggtgtaaa ttctcgcat gaantgatat aagtttaatt aaaaacatct 60
 aagaaaatga aggaaaactc ttttctaatt aagacaaaaa taaataaata atcttgcgag 120
 acaatatata atatgctaaa attataaata gcttaccag cagccaacaa aaacattaaa 180
 ttcgaacgca aatttaatta ggagaaaata aaatttctca tgtaaaacaa taaccttag 240
 atgggggttaa ttaatgtcca ccaaaaaaaaa cagtgtatat tcatatgaaa atatacttcc 300
 cgtgttccta tatacaaagt acataacctt cataaaaaaa ttaatcatta aaattttcaa 360
 caattcattt agatttttta gatttgttta taaaattatt agcacctcat ttgcttcatt 420
 tctttctacc taat 434

<210> 12280
 <211> 438

<212> DNA
 <213> Glycine max

<400> 12280

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gtcccttttc tcgctgtttc gtgttccttg catttttttc ctattatatt acttttgatc 60
attgtcagtg tgaaaagttt ttacagaagt gccttattaa cataataact aagggtttttg 120
atttgctgtg atttgaaaagg tttcaagttt caacagttct ttgaactatt tctgtgtggt 180
gaagtgatag tttatctata actgcaggat atgaatatcc gtgaagcagt aatgagggcc 240
gagaaagctt taaagataag caaacgcaag gactactaca aaattttggg aatttcaaaa 300
acagcttcgg ctgctgatat aaaacgtgcc tacaagaaac tcgccttaca atggcatcca 360
gataagaacg tcgacaagag ggaagaagca gaggctaaat tccgagaaat tgcgtgctgt 420
tatgaggtct attattat 438
```

<210> 12281
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 12281

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ctcagcttca cattcaattt cgagcgtctc gatatatgac ggtactcaac cagacatccg 60
agtaaaaagt taatttcggt tgaattggct cagagcttca acattcaatt ttgaggggtct 120
cgatatattg cgggactcaa tcagacatcc gagtaaaacg ttattgtcgt ttgaattggc 180
tcggagcttc aacattcaat ttcgagcgtc ccgatatatg acgggactca atcagacatc 240
cgagtaaaat gttattgtcg tttgaattgg ctcagagctt caacattcaa tttcgaggggt 300
ctcgatatat tacgggactc aatcagacat ccgagtaaaa agttattgtc gtttgaattg 360
gctcagaggt tcaacattca atttcgagcg tctagatata ttacgggact caatcagaca 420
tccgagtaaa acgtta 436
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<210> 12282
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12282

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agttacttgc gcaaccttgc tcactcttcat gttgtgaaag aaattggggg acatattcat 120
gtatccattc tttaaagaga aacaagatgg cactacatag agctgaagat ttagtatttg 180
ttcatagcaa cctacgactt ctctcaagga atactccaca atatcatcaa gaggaaacta 240
aaatgtggga tgtaactgga gatgattttg aatcacttga tgattgtggg attcttgaaa 300
ttgctagatt gtcttttagat gaaccagagt tagagggtgt ctttttcaat gatgattgct 360
agtttgtgaa attcttgaag acttgaagtt gctaattcat catcttgctn ntataatctt 420
nntgtaagaa acaaagcgt 439

<210> 12283
<211> 431
<212> DNA
<213> Glycine max
<400> 12283

tcgaatcacg gggatagatt tgccacaacc tggtttaatg ccacgacaga ggggtgctcga 60
gacagggcgt aagctcgcaa attattgcaa gcgtttcaat gttccatttg agttcaatgc 120
tatggcacag agatgggaca ccatcaaagt ggacgacctc aagatacaaa ggaatgaatt 180
tgtggctgtg aactgcatgt ttcagtttga gcatctgcta gacgagactg tgggtgttgaa 240
taatcccagg gatgctgttt tgagattgat taagaatgca aatcctgaca tatttgtgca 300
tggcattgtc aacggatcct atgatgtacc attctttgtg tcatgggtcc gggaggctct 360
ctttcattac actgcattgt ttgacatgct tgacaccaac gttgctcgca agatcccatg 420
aggttgatgt t 431

<210> 12284
<211> 165
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12284

agctntgctt ccacaattgg tgtaggaggg cgcttcgacc catttggtga aataatctat 60
cgccacgagg atgaagtgat gaccgttcga agccttgggt ttgatggccc ctatgacatc 120
tatacccat atggaaaaag gccaaaggagc gcgacatgac gttta 165

<210> 12285
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12285

tattttgttt gcaatattta tgttgttgtt ggattgattt ctatttagaa taaagtttag 60
 accaattgga aataggcatg actgagatca cattgcatgt aactttcatg ttgcttatcc 120
 atattgacct atgtcattga gtgtactaat gtagtagtca ttgggggtcta gttacattta 180
 ttgatgcaat cctccctagg aagggaccaa tcactagaac catgagcaag aggcctcaag 240
 aagattgggc tagagctgct gaagaaggcc ctagggttct catgaacctt agggtagatt 300
 tctgagccca tggggccaagg ttgggtccaa ttatctttgt acatattaga ctaggatgtc 360
 attatatttg gtccttgat ttagggctcc atattgtagg tagggtagcc tagaaatata 420
 ggattnttca gccctt 436

<210> 12286
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12286

agcttgaagc atgcaattnt tccagcttac tctttctcca actcatcaat ggcaggggct 60
 atcatcctgt atggaccaca ccatgggtgca atgggggtctc acttgcaatg acaatgttat 120
 tccagcttga atctgtcaca gctcgactg caaaataggg ccagccactt actactacct 180
 agattgctnt atggcaaaat aaaaatcata aattcaacac aaggtaaagg atattcaact 240
 attcatcact caaggatata atatttgggt gcaaaatggt aaatgaccga tatgagtttt 300
 gtacaatgat tcccccgcc cccctataaa gagtttttat attatcatcc aataataatc 360
 taacatttat gataagtttg ttaactttta cattaagtcc ttagaagtta aactaatttc 420
 taa 423

<210> 12287
 <211> 421

<212> DNA
<213> Glycine max

<400> 12287

catttactac agacctcctc aaccatagtt gttatttcaa ccacagcaga acaattatga 60
cctctccagc aacagatata atcccggatg gaggaatcac cctaattctca gatgggtctag 120
ccctcaacaa caacaacagc agcctgctcc ttcctttcaa aatgatgctg gcctaagcaa 180
gccatacatt cctccaccaa tccaacaaca gcaacagccc cagaaacaac aaacagttga 240
ggctcctccg caaccttccc tcgaagaact tgtgaggcaa atgactatgc ataacatgta 300
gtttcaacaa gagaacatag cctccattca gagcttaact cgccagatgg gacaattggc 360
tacacaatta aatcaacaac agtcccagaa ttctgacaag ttgccttctc aatttgctct 420
g 421

<210> 12288
<211> 237
<212> DNA
<213> Glycine max

<400> 12288

aaaatgatgc tagactaagc aagccataca ttccttcacc aatccaacaa caacgacagc 60
cccataaaca acaaacagtt gaagctcctt cacaaccttc cctcgaagaa ctagtgaggc 120
aaatgactat gcagaacatg tagtgccaac tagagaacaa agcctccatt cagagcttaa 180
ctcgccagat gggacaattg gctacacaat taatataaca acagtcccag aattctg 237

<210> 12289
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12289

tatgctgcan acattttacaa cagacctcct caacctttca gcaaaatcaa ccacagcaga 60
acaattatga cctctccagc aacagatata atcccggatg gaggaatcac cctaattctca 120
gatgggtctag ccctcaacaa caacaacagc agcctgctcc ttcctttcaa aatgatgctg 180
gcctaagcaa gccatacatt cctccaccaa tccaacaaca gcaacagccc cagaaacaac 240

aaacagttga ggctcctccg caaccttccc tcgaagaact tgtgaggcaa atgactatgc 300
 agaacatgta gtttcaacaa gagaacagag cctccattca gagcttaact cgccagatgg 360
 gacaattggc tacacaatta aatcaacaac agtcccagaa ttctgacaag ttgccttctc 420
 aa 422

<210> 12290
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12290

agcttgacag gttcaggcgc aggtgcttct actggtggag gcacttaa at ttggttgcca 60
 aacctcaagg tgatggcact cacatttctc agattctgca cagtttgtga aggcaatttg 120
 ttagaatttt tggattgagc ttggtttaac tgagtagcca ttgccccat ctgatttggt 180
 agactttgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240
 ctactaact cttctaanga aggttaagga gaggcctcag ttgcttggtg tctttgttgt 300
 tgttgctgtt gtattggagg aggaacatat ggcttgcttg ga 342

<210> 12291
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12291

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 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttggag 180
 gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcacaaagca ttctgactnt 300
 gtgaagttta cattgaatcc ttcacacac aactgactga tgctgatnca agttgcagtc 360
 agtcccttca ccaacagtac tttgtccaga ctangaagtc catcat 406

<210> 12292

<211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12292

tcaacattca atttcgagcg tctagatata ttacattatt caatcaaaca tccgagtaaa 60
 atgttactgt cgtttaaatt tgcttggtc tccagcatta aatttcgagc gtctcgatat 120
 attacgggac tatatcagac atccgagtaa aaagttgttg tcgtttgaat ttgcttagag 180
 attcaacatt catcttcgag tgtctcgta tattacggng ctcaattaga catccgagta 240
 aaaagttatt gtcgttgaa ttggcttga gcttcaatat tcaattacga gggctcgcg 300
 atattacggg actcaatcag acatccgagt aaaagttat tgcgtttga atnttctcat 360
 agcttcatca nttcaatttg agcgtctcta tatattacan gactcaataa gatatccgac 420
 tagaaaagta t 431

<210> 12293
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 12293

agcttcaaga aaaagatggc ctcaacttat ttcttatttc cagaagggaa ttctatcaat 60
 agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat tcaaattttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccaac 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 cctagagata gatgctctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300
 aacataataa catctgccct aggaatggat gaatatttca gggtttcaaa ttgtaagagt 360
 gctaataaaa tgtgggacac tcttcgatta cacatgaagg aactacagat gttaatatagat 420
 ctag 424

<210> 12294
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12294

ggacctataa aactcagctt cacataggag ctgcatcatg tgtgatttat agcatcttca 60
tctaagngag gttcttttgc ttcctctatc tttttattog gtcaattcac ttttaattoct 120
tgttcttcat cttattctcc atgtatatcc ttcattgtct tgtgttttga tgctgttttag 180
agtatattca aaaaataaac cgattaaatc ttagatctac acttgttctt gcattttctat 240
ggttcaaatt ttatatatct actcttgaat catgtttttg tgttgatttt aggttcaatc 300
attttccagt cataatcttc ttgtactgaa ccttttaaato taaattttat tccanaatat 360
tgattataaa aaaagcacia aaatctaagt gtaaatcaat taatctatgt tgtcttagag 420
tcatgtntag tcataataat tgtcacatta t 451

<210> 12295

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12295

ngacattaat agtttgaata tatttattac ctaaattggt gtaattntat ttattacatt 60
tacttgacia attataatth tgtttattat tatctaagat ataccattta ccgaatttca 120
attttaaatg ggtgactaca agttgtataa aattcaccat ttccatcatc aaagatttca 180
ttttaaatct tgagtaatct ttatgaatat aaaattatgt ttattactt atttacttca 240
ctttctagct tcaaagtatc tatcagaaaa ataatcaagc cataaacaaa taaacgaatc 300
aagcccaagc ttcatatatt ttaaccaact caagttgaag ttttaaattt gttcagttta 360
aataaacgag tgaagcttga gtaaccatt ttcttcacaa ggcaaaccta aactatagct 420
cagctaaact tgtttac 437

<210> 12296

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12296

agcttcttaa taatgatgaa cgattattaa catgtttcct aatatatatt gtcttatttt 60

atataatatttt aatatcacta ataactaatt tttaacattc tatcattcaa aagtattttt 120
 aaagaaataa tgaattaact ttcaaataatt ttagtaccat attgtgaaat tgtgtctaan 180
 atctttatttt catctttctaa atcacaaaat tgataataag gttcaaaact aattgttaat 240
 cacgataaga atcacccatg agggaaaaaa aacctctata aagttcattt acattaaaaat 300
 aaactcaaag ataatacaga ttattttttaa aagataaatt ttatatttta aaataaaaag 360
 gaggggtcta attaggaatg caaataagac aagactntac ttaaacaagg tctgacttat 420

<210> 12297

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12297

agcttgacca accctattct atggatngac tcttattaat acataatcac catccacgat 60
 atccaggtct ttcctcttct taccctgata actcttctgc ctactctgag cagttctcat 120
 cctctcttga atcaacttaa ccttcttagt gggttggtgt accacttcag atcctaaggt 180
 gaggttctct ccaagttcta gccagcaciaa ggggtgctta caccttctac catacagaac 240
 ttcataagga gccatgccaa tggtagaatg aanactattg ttataggtga actctatcaa 300
 cgacaaaagc tctcccaatt tctttttttg tttaatacat aagctctc 348

<210> 12298

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12298

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 ccatggataa gagcttgga gaagaaggag atgaatgaag ggagaggaag agaagagcac 120
 gtaattntgt gctctaaaag agctctgaca tctgaagttt aatattcaaa agatcaaagt 180
 tgagaaaatg cacacacatg gcctttattt atagcctaag tgtcacacia tattggaggg 240
 aaatttgaat ttctattcac atgtcacttg aatttgagat tgagtctgtt gagccatatt 300
 ttggagccaa aatttcacta attatgatta g 331

<210> 12299
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12299

gcctaattcg tctaagagct cgtcaatggt gggatatcgga naccgttcac gcaccgtgag 60
 tgcattttaa gctctgtagt ccatgcaaaa gtgccatgaa ccatcctgct tgcgaactan 120
 gagcacagac aagaaggggtc ctttctagag cattgattca acctgcgatt caatctcatg 180
 tttctggtaa tgtggataac gatagggccg tacgttgact ggcgcanctt ggggcangag 240
 gtggatgtgg tggctgtgtt cgcgggccgg tggcagtga gaaggtggct gaaataatgc 300
 acganaatga teaattaaag attggatagc tgg 333

<210> 12300
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12300

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 cccttgatga gcaaggccaa gctcttatag catggaaaaa cagtttaaac atcatttcag 120
 atgtgttagc atcatggaac ctttcagcct caagcccatg caactgggtt ggggtgtatt 180
 gcaactcaca aggagaagt atagagataa gcctgaagtc agtgaacttg caaggctcat 240
 tgccttcaaa ttttcaacct ctaaggctct tgaagattct tgcctctca tcaaccaacc 300
 tcacaggaag tataccanaa gagaatggag actatgtaga gtcattcatt gttgatctca 360
 gtggcaattc tctctt 376

<210> 12301
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12301

gcttgtcatc cagtcttcta acctctttga ccatgctact aangagagtt ttagcttcag 60

aatactcctt actttccatt agaaatgctg caagccttgc ctcaactcgc tgcctcagaa 120
 aggtatgctn ttcagcacgt gtccattgca ccatttcttt gcagagtgtg atttgtagat 180
 cagtagtccc tggatatttt gcaacagaat caattatgcc cctcactatc tttgctgttt 240
 ttgccttang aatcaaggaa aagaagggcc tcaactgagt aagaaggcta tgcagatcct 300
 ctgccctatn ttgttccctg agatgctcag tgaggtttgt gatggcctgt tctttcatgc 360
 gcagagcatc tggagaagaa gaaggataat caagtacctg ataaagaatg gagatggact 420
 cngatgggtc tttgcatcca ct 442

<210> 12302
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12302

gtctcacgag tgtctcgtgc tcatgcaact tttgttagcc gtggctatac gagacatctt 60
 gccaaacaaa gtcagggttaa cgataactcg cctgtgcttt ttcttccatg ctatatgtag 120
 caaagtcatt gatccagtca tgtntgatga gttggaaaat gaggccgcaa ttaaactgtg 180
 ccagttggag atgtattttt cctctgcttt ctttgacatc atgattcact tgattgtgca 240
 tctggtcaga gaaatcaaat gttgtggtcc tgtttatcta cgggtgatgt acccggttga 300
 gcgatacatg aagatcttaa naggggtatac aaagaatcta tatcatc 347

<210> 12303
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12303

acaattaaac tttgtgctta tcacgggatg atagtgtatc aaatggacat aanaagtgtg 60
 ttcttcaatg gacttataca ggaagaagtt gatgtggaac agccccttgg gtttgagagt 120
 tctatatacc cttatcatgt tntcaaatnt aacaaggctt tgtatanttt anaaatagct 180
 ccttgagctn tgtatganaa gctaagttca nttttaattg aaaatggctn tataagagga 240
 aaggtagata ctactctgtt tcacanagat tatggtagtc aattcctaata catccagata 300

tacgtggacg atatcatatt cgatgctact aatgactctc tgtgt

345

<210> 12304

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12304

ttgtagaaca atatatccca acacaccana ttattggctn tctcagcaca ttgctttgaa 60

aagaggtatt ccttcttctc ccttcttgca tcgtcaataa cctcattgac caccaaggta 120

ctatgaagaa gatacctatc tttcaagaag gtgttggtgt tttgatcaat aactccattt 180

aatactttca tcaacctatt ggcaagtaat tttgcaaata ttttgtacaa gcaactaaca 240

agtgaatga gtctaaa 257

<210> 12305

<211> 337

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12305

gtatgtacta cgtgtcacta tgcagatcat aaacgatcat ccttttcatc aagcacttca 60

catgaattaa tcanttttta tctcatacat atagatatat ggngaccctg ttcaaagggtt 120

tctatgcatg ggcatcgta ttttttaacc attgtggacg atcattctcg cnttacatgg 180

atttacctaa tgcaaacaaa agctgaggct cgaanactca ttatcacctt cgttacatat 240

gttcaaacgc aatntaataa aaccattana atcatacgta gtgataatgg tgctgaattt 300

cttatgaatg aattttatgc tcanagggga atcatac 337

<210> 12306

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12306

ggaggtgttg ctgtatccaa tgaatactct gagttctgtt cnnttatcaa gttggccott 60

ttaacctgtg gaacataaga gaaacaaaca caaccacaga ttttttagatt ttgtaaatct 120
 ggttcgtaac caaaccaacc ttcaaagga gttttttgt gcagaactct tgtaggtagt 180
 ctattcagca aaaatactgc agtggttgca gcctccgcct atagctcctt tggcaactcc 240
 ttttcatgca gcatacacct tgtcatctcc atgatacttc tttttttct ctcaactcaca 300
 ccattttgtt gtggggtgta aggtacgggtg aattgggtgct caatgccaac ttcttcacaa 360
 aatttatcac aaacatcatt tatgta 386

<210> 12307
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12307

gcttctgttg gatcgagtgg cctcagaata atttatatag gggggttgaa ttaattattc 60
 ctagaccttt actaattaan aaattactct tctaaggctt ttacttatgt tgttaagaga 120
 gtatggagta gaagagaaac ttaacagaaa gtaaaagcgg aaattaaatg cacagcggan 180
 agtaaaagag tagggatgaa ggaaacaaac acacaagagt tnttatactg gtttggcaac 240
 aaccctgtcc tacatccagt cccaagcga cctgcgggtcc ttgagatttc tttcaacctt 300
 gtaaaaatcc atttacaagc aaagatccac aagggtatgta cctcccttg ttctctntga 360
 acctagtgga tgtaccttcc actagaactg atccacaaga gatgtacctt ctcttgttct 420
 cagtcaaacc caagtagatg taccgtctac 450

<210> 12308
 <211> 300
 <212> DNA
 <213> Glycine max
 <400> 12308

tctgtacctg gtgcaagggt ctgcggattg tgctcctctg ctgaccacca tacagacctt 60
 tgcccttcca tgcagcaacc tggagcaatt gagcagcctg aagcttatgt tgcaaatatt 120
 tacaatagac ctctcaacc tcagcagcag aatcaaccac agcagaacaa ttatgacctc 180
 tccagcaaca gatacaacct ttgatggagg aatcacccta acctcagatg gtccagccct 240
 cagcaacaac aacagcagcc tgctcttacc atcaaagct gtggccaagc gaacatacat 300

<210> 12309
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12309

ttcgaagcgtc tcgatatgtg atacgactgt atctgaagtc tgagtttaaa gttttaaccg 60
 ttagaattta tcagacagct ttcggtgttc aatnttgaga gtctcgacat attatgtgcc 120
 cgaactcgac atccgtgtga aatggtatga ccagttgaat ttctcgagag cttccgttgt 180
 tcaatttcta gcgtctcgat atattatgcg ctccaatcag acctcctcgt gaaatgttat 240
 gaccattaga atttctcgag agcctgcata tttcaatttc gagcctctcg gtatattata 300
 ttaccgaatc cggcatccat gtgtaatggt atgaccatat ggaatttctc gtggacttcc 360
 attgttcaac ttcgaagcgtc tcgatatatt atg 393

<210> 12310
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12310

ctttaaaggg aagtgggtgc gectgggtntc tttcccgctc ttctctttcg taaaatntct 60
 tctcttatgt ccacaatctt gtccttgtaa ccctgggtcaa gaacatgacg ttatgtaaag 120
 aactctaact cactcattgg ttctcaacaa aaattaaaaa ttactaagtg gtaatcatag 180
 tttctattaa tctttgcatg acataattga aggatntaat tatatgtact gacagaataa 240
 aatntattnt atatagtgat cgggttgataa tataaaaaac tttgcactnt tntaattaaa 300
 taataataat aacaactaac atataanaat tagtcaaacc gcgtaattng acaccataca 360
 ataatttctc gcanaaatat gtcacgcata ctanggttng ttattcttaa taact 415

<210> 12311
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12311

aaaaatattt gttttagttt cttatatata aaaaaataat aagttatata ttgacaaaag 60
aacacagtat atttctcatt taaaataaaa tatttctctt agaatttact ttatgtctta 120
ctaattgtgtc cgtgggtctgt ggatagcatg tcattaacca tcaactctga caacataata 180
attgttatta aaagatacat aaataatggt tgattaaaat atttttcaat ctataaaatt 240
atggagctnt tataaaatta ataattactt taatttggtt ttgttcctgt ctctaaaaaa 300
tatgagaata atggtattta tttattgaan aaagattana actatagagt gaatagtcta 360
catatacact cataatataa ataattttta cactcttatt taatgataaa cntcgttca 420
atcacatnat tgttatcgtg tgtatatat 449

<210> 12312

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12312

gaaaaagagg tattccttct tctcccttct tgcacgtca ataacctcat tgaccaccaa 60
ggtactatga agaagatacc tatctttcaa gaagggtgtt tgcttttgat caataactcc 120
atttaatact ttcatcaacc tattggcaag taattntgca aatattttgt acaagcaact 180
aacaagtgag atgagtctaa attccccaag gctntgtggg tcatctacct ttgngacaag 240
agcaatgaaa gaagcattgc tatcccttag aagcacacaa ttagagtga actcaattac 300
aaacttcaaa atatcatccc ttaataattt tcaaaaagat ttagaanatt gaagtgtaac 360
catttga 367

<210> 12313

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12313

cgttcaattg gatacatcca ccgcagaata accggaccac acaaccgaat tccctcaca 60
agatgaacaa tgagggtgaac catgatgtca aaaaatgatg gtgggaaata catctctaac 120

tgacaaatga caatggcagc ctcatctctc aagtcaccca attgatgagg attaatagact 180
 ntactacata tggcattaaa aagaaagcac aaacgggtta tggcaactct aactatgtca 240
 ggcaagatgc cgcgaatcgc aacaggcaat aattgttgca ttaagacatg gcaatcatga 300
 gacttcaagc caaccaactt aagatcattg annggcgaca ggctcttgat atttgaagag 360
 tacccttggtg gaactntgac attc 384

<210> 12314
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12314

atatttttat tattcaagcg tagttagtaa tcgtggtagt tagtaatgat tntagttagt 60
 aatgatntga gttagtaatt atattactta aattttcaat caggtaatat aattagaatt 120
 gatatttaat tatttgtaat tatttttagtt agtaattata tttaacataa aatataagtg 180
 aattcaagac aatattagat agtattatat agatgtatgt aattcttcta agtattatat 240
 agtgtaaaaa taatctaagtg ttatattaga tagtattaga tagatgttat ataaatgtta 300
 cttgttatat atgggagtag gtagatgtgt ttaaaacaaa gtagataata 350

<210> 12315
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12315

ctcagctttc tttagaaaat aaaggcttgc tcttgttntt cacccttggg aaatgtcaca 60
 ttcttcttca ccaactcatt gagagggtgat gcaattgtag aanaattang aacgaacctt 120
 ctatagaagc ttgctaaccc atggaagctc ctaatatctc ccacactntt tgggggtgggc 180
 cattcttgga tggccttgat tttctcaggg tccacogggg ccccatcttct accaactaca 240
 aaccctaaga aaactatatt atctacacaa aaggtagact tctctatatt tgcatagaag 300
 gtgttnttcc taaggactga aagaacttct ctgagatgtc ctaagtgatc atctaggctc 360
 ttattgtaca ctaaaatatt atcaaaataa acaaccacaa atctacatat gaaatccctt 420

aagacatgat

430

<210> 12316
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12316

gcttgcacat tgctgtttga tagaagaaga gctttgatgg taaccttggg acttcgatat 60
caaacggtac atcgaagaca aggaataccc gtaagaggcc tctgacaacg acaatggcag 120
ccggtttttt cctaagtggg aatatcctgt acaagaggaa ccatgatatg gttntgcttc 180
gatgtgtgaa tgctagagag gctgagcaaa tgctggtaga agtgtatgag ggctcctttg 240
gaacacatgc caatggacat gccatggcct ggaagattct aagagtaggg tattactggc 300
tcattatgga aaatgattgt tgcattccatg tgaggaagtg ccacaagtgc caggcccttc 360
accgatatgt caatgctctg ctctacctt tgaacgtctt 400

<210> 12317
<211> 364
<212> DNA
<213> Glycine max
<400> 12317

cccagctggc ctgcaatcag aaatctgtac ctgtcgcaag ggtttgtggg ttgtgctcct 60
ctactgacca ccatacagac ctttgccctt ccatgcagca acctggagca attgagcagc 120
ctgaagctta tgctgcaaat atttacaata gacctctca acctcagcag caaaatcaac 180
cacagcagaa caattatgac ctctccagca acagatataa ccttggatgg aggaatcacc 240
ctaacctcag atggtccagc cctcagcaac aacagcagcc tgctcctttc ttcaaaatgc 300
tgctggccca gcagccatac attcctgcac caatcacaac aacaacacc caaaacagcc 360
acag 364

<210> 12318
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 12318

tattctaaag cccgattata gttgtaangc ttctatcaca tccaagccta atgcctgcaa 60
accatgattg tctaataatnn tcacggattg agccttcttg agcctatattt aacattatta 120
tgacctgggc ttgtgaggaa aaggcagtga tggttcnaat gttataaata gcttcaatag 180
ctatctttgct agtttcatct tgggctttga tagcctttnt agacataccc ttgaggagta 240
caagtcttgt gtagaaactt gcaatgccaa taggttgaac aacaatcaat ataatggcan 300
atctccatgc aatgattang cccattgtgc atgctatcac cactgctgan atagtttgta 360
ccaacagagc cattctatct cccact 386

<210> 12319

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12319

aagcgtcttg atatattacg ggactcattc atacatccga gttattagtt attgtcggtg 60
gactnttctt agacctccg ttttcaattt cgagcgtctc gatattattac agggatcaat 120
aggacatctg agttaaaact tattgtcgtt tgatttttct ccgagcttcc gttatcaatt 180
acgagcctct cgatattcta cgggacacaa tgggacatcc gattcaaaaag ttattgtcgt 240
ctgaattcgc tcacagcttc agttttcaat tacgagcgtc tccatatatt actggactca 300

<210> 12320

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12320

agctgaattg aaactaaagc tctgagcana ttcatacgac ataatttgac tcggatgtgc 60
tattgtgtcc cgtaggatat cgagacgctc gtgattgaca acggaagctc tgagaataat 120
caaacgacaa taactcttat ctccgatgtc cgattgagcc atgtaatata tcgaaacgct 180
cgaaattgaa aacgaaacct ctatgataag acaaacgaca ataacttttg attcggatgt 240
ccgattaagt ctcgtaatat atcgagacgc tcgtaattga gaacagaagc tctgagtccc 300

<210> 12321
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12321

gagcatgata ttgcgtctat accgttgact gtttatcagg tatatgagcg ggttcaacac 60
 ctgaacactg tatttgggaa gaccacacg aaggataaaa gtcagagttg catatggaag 120
 aagaggttca ttntctttga tcttccgtac tgggtgtgac ttgacgttag acattgtatt 180
 gatgttatgc atgtggagaa naatgtttgt gacagtgtga ttgngacgct ccttaacatt 240
 caaggaaaga cgaaagatgg cttgaatacc cgtcaagatc tagctgatat ggggtataaga 300
 tcacagctgc atccaaggtc tgat 324

<210> 12322
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12322

atcttgtnta ctctactttc tcacacgatg aactttactg gactctctgt atacaacatc 60
 aatgaataaa tcaatattag ttctatgac atcttaggtt cttagcaat tagccaagct 120
 atctagagga agctcccttc aacttctttg taacaggaag ctccctcttt ntatattcaa 180
 gggtagctag ctatgggcaa gctttacctt gctgatggga agctagctaa gtgttagtgt 240
 ttggctctac tgagctttaa aagattggct aagattntgt taaaacataa gcacttagac 300
 aatgaaggaa agctggagtt gctgcacatg atgtccaacg ttatgtcaag gaataagatc 360

<210> 12323
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12323

tctgcagagt ggaatcattt atcgtatctc cgatagccaa tgtgtgagtc tctgccggt 60

agtccccgaag aggaccggcc ttaccttcat aaacaatgag aaggaggagt tgattcctac 120
 tccgggtgcag aacagttaga gagtctgcat cgattatagg aggctgaact aggttaccaa 180
 aaaggaccat tttcccttgc cattcattga ccatatgctt gaacgcctgg caggtaaate 240
 tcactattgt ttccttgatg gttnttctgg ttatatgana atcactattg ctcctgagga 300
 tcaggaaaag accacattca cctgcccctt tggcactttt gcctataccg tgcaatgccc 360
 ctggtacctt 370

<210> 12324
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12324

agtgtgtgnt aaatgtctaa aatataaaga aaattatgta ataatgtttc tttgaagaat 60
 atnttatcag tgaaaataaa atattttgaa tattgaattt gtagtatttt ttttaattaga 120
 ttaggttggg gttaatgatt tattagtgtg ttaataattc atgaacgttt caactttcat 180
 ttaaaaaaat tagtagatca tattttatttg aagaaagtat tttgagtatg aaattttattn 240
 taatatgaag ttgtagtatt tttttaatta gattagggtc attnttttgt gttaaaaatt 300
 gataagcgtt caagttgaaa gtgttatttg atgatgtnt nngtgttctt gtatcatatt 360
 tanattaata tatttggtag taatttgtaa ttacctattt tcattttgaa gt 412

<210> 12325
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12325

taataattca nataatactt ttaatatatt aagattcaat gataaatact cttaatatat 60
 ntntagttta attatttatt aactctttta atcgaaaata atatagttcg atttaatat 120
 tacatgtttt gtgtcatgta aatattaata ttgtctgatg tgtatatgat tcatggggcg 180
 tgataacgtg atatattgng attatgagag tgtgatgaac tgtgtgtaag agacaagtcg 240
 agtatatgtt aaattatgag atcacgcgtg tattgagata ttgtgtggat taagntatga 300

gttatgaatt gtacaatcac a

321

<210> 12326
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12326

ttaagttctt cctcaaaact gtcctaagca aagntccttt gtcctattag caacttttgt 60
ttgcccacg gtttgtgggt gacaagctgg tgaaaataac aatttactgc ccaacttgct 120
ccacaaagtc ctccaaaaat ggcttaggaa cttagagtcc ctatcactaa caatgctcct 180
tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcagccacat gggaagcatc 240
atcaactttt ntacatggaa taaaatgagt catttttagaa aacctatcaa caaccacaaa 300
aatggaatct ctaccatttg cttgttttgg cagccacaaa acaaaatcca tggataaatc 360
aatccaagga tactccgaaa ttggcaatgg agtatacaat ccatgaggct ttacttagac 420
tntgccttn tacatacaat gcaatgttga c 451

<210> 12327
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12327

cgagacgctc tanatngaatt gttgaagctc tcagcanatt cacacgacaa taactatnta 60
cttgaatgctc tgattgagtc ccgtaatata tcgagacgct cgaaattgaa tgttgaagct 120
ctcagcacat tcaaacgaca ataactatnt tactcggatg tctgattgag tcccgaata 180
tattgacacg atccgaaatt gaatatctga cttctgagca aantcaaacg acaataactc 240
tgtactcgga tgtctgattg agtccgctaa tatatcgaga cgctctaaat tgaatgttga 300

<210> 12328
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 12328

gctatatata tcgatacgct cganataaac atcgaattct ctcgagatat tcatatggtc 60
ataactnttc acacgaatgt ccgattctgg cgcataatat gtcgagaggc tcagaatcga 120
acgatagaag ctcttgagaa attcatatgg tcataactnt taacacggat gttcgatcca 180
ggcttattat atatcgatac gctcgaaatt aaacatc 217

<210> 12329

<211> 313

<212> DNA

<213> Glycine max

<400> 12329

agcgtgcctt gtcccttgat atattcgagt tttcatgggtg actatgaatg acaaaatcct 60
tgtgataaac gtagtgatgc catgttatca aagcccgtaac taaggcatat aactccttat 120
catatgttga atagttaagg gtcggaccac ttaactgttc actaatataa gcaactggat 180
ggccttcttg catcaacaca gccccaatcc caacatatga agcatcacac tcaatttcaa 240
aagatttttg aaagattggc aacgcaagta tggcggcatt agttagcttt tgcttaagaa 300
catagaaagc ttc 313

<210> 12330

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12330

agcnttgcaa tattgagaat gtgttctttc atttttagttg tcaaagttga taagttcgtt 60
tcatttttct aattttattc gtttaattgt ttgtattctg ataattaaat tagttatttt 120
agatattata aaatttgtag aaagtttttag gtatagtaaa ttagtagtgtg attaattttc 180
tatcttacct tagttatagt tttaaatggg aaattagatt tactttgatg atttaagttt 240
tgtacggtag gttcatgttt agttatagtt ttaaatagata ttagttctag ttctagtttg 300
aaataatatt agttctagtt ttaattgtaa atgatattag tcttgtagct taggttttagt 360
tntagttaaa tatatttaaa ttttttatgg taggttagtt atatgatata ttgtattaat 420
tntgcgtata ta 432

<210> 12331
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12331

tgataaaaaa gaatgtattc tctatTTTTT atgtacaagg aaaagggaga aaaaaatana 60
 mnaataataa ctgcggcgct ctagtctcgg gcacattaac gtctcttggc ccgcagacat 120
 ttcaattccc acttattcgg aatcgacaca gaatangtta gttcagggtt agagatngct 180
 tatatccttg gtttgatnt agaannatat ttaatccana taaatggaat aatggtaatt 240
 gacgtaattg gatanggggtg tttactTTTT tgctaatacat taagaattaa tgttatatat 300
 anaagtgtaa ataatatgaa aactatatct ataattacac ttatttctat attaaacaac 360
 aattgatata ttggtagtta atctcagtaa taataattta tanataaagc ggcaacatat 420
 atttattaat attatattta tat 443

<210> 12332
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12332

catgcaagct tctggcccag tnggcccgtg aaactcacta tgataagcgg tattattaaa 60
 ccagacaaag catcaagcaa taaaaccaa aacagataaa gcacctaacc tataagataa 120
 gtaagcttct ccagaccata caagtgcacg ccgagcccat gcaaaagggt ttggttaagat 180
 atgccagatt ccaccaagta taaaaatgga acccaaccat acatgcccc caattatatc 240
 ttccaaatcg tccacactaa caatccaccc ttctccccc aaagggtgatt ttaataaata 300
 tccaaatata atacttggac taagggtcaa attgggttatt tttcttacat ctccgcccc 360
 cggagcccac gtatcatata tacctncaaa ataaagagcc ttgaatacta gaagaaacgc 420
 acctatacct aacaagatta agtgaatacc caaa 454

<210> 12333
 <211> 378

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12333

acttgagcat gctttagta tgaatagata aattatcacg tggttctaga ttactgcggt 60
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aatgatattt tttcacatat atagttgaca tngaaatntg ttaacaagtt atatatacat 180
tategtaana tatatacacc gcattatttt atgagtggtg tgtaactaaa aacataaata 240
agtgtatatt aacacatgtc tataagatgt gttaattcac acttatntat tctttaatta 300
gaataagtct atatattata gctaaagata tctogaatac atccagatgt acttataatt 360
acttaactat atcatata 378

<210> 12334
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12334

tcacctgagg catgcaagct tgctaaccga tggaggtcc taatatctct cacactntnt 60
ggggtggggc attcttggat ggctatgatt ttctctgggt ccacttggac cccatttcta 120
ccaactacaa aatctaagaa aactatatta tctacacaaa aggtacactt ctctatattt 180
gcattgaggg tgtttttcct aaggactgaa agaacttgcc tgagatgtcc taagtgatca 240
tctaggctcc tactatacac taaaatatca tgaaaataaa caactacaaa tctacctatg 300
aaatccctta agacatgatg cataagcctc ataaagggtc ttggtgcatt tgtgagccca 360
aaaggcatca ctaaccattc atacaaacca aacttgggtc tgaaagcggg tttccactca 420
tcaccctttt tcatcctgga ttggtgataa ccactttta 459

<210> 12335
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12335

agctttatat ctttctggcg ccgagctatn ctcccgagg acctccccta cagtatcgtc 60
gccgcagtag agtctaacca ccaagttcgg gatggattgg tgtggttcct ctacgcctag 120
gacaccagaa tatcgaacca tgaacgaaga aaggcatgag ataaaagcaa atatattggc 180
tattcattgt gaggcctaa ttctcgactg gaggggacac canaggccta tgccttcca 240
ttccttggat agatagagag gaggggcaga gtttttgggt atttcatgtt gtcaaagagt 300
tgaacaatga aaatggatga ctagtgcctg atcgaattga tcggatcatg tatgaacaag 360
gttcacgtct accggtctgt taggatgcct cagctgcata catcactgca cttccacttg 420
acacctatca ttaa 434

<210> 12336
<211> 444
<212> DNA
<213> Glycine max

<400> 12336
atgctatcag tcacctgcgg catgcaagct tctatatttg ttcgttccta atttctctac 60
aattgcatca cctctcaatg agctggtgaa gaagaatgtg gcatttacct gcggtgaaaa 120
acaagagcaa gcctttgctt tgctcaaaga aaagcttact aaggcacctg ttctagctct 180
tcctgacttt tctaaaactt ttgagctaga atgtgacgcc tctggagtgg gagttggagc 240
tgtattgtta caaggtgggc accctattgc ttattttagt gaaaaacttg atagtgccac 300
cctcaactac cccacctatg ataaagagct ttatgcctta ataagagccc tccaaacttg 360
ggaacattac cttgtttcca ggaatttgtc attcatagtg atcatcaatc acttatgtac 420
attagaggac aaagcaagtt aaac 444

<210> 12337
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12337
catgcaagct ntaattctga tgagcatgtc tgattcattc tgaaccacag aaatagcatt 60
aactcaact aaacttcctc gagacaatgc atcagccacc atattttctt aacctgctt 120
ctattctatg caaaaatcaa attctatgag tttaactaac catttctgct ggaatgctgt 180

agctaacctc tgatccaaaa tataacttgag actcctatga tcggttctta ttacaaactt 240
 cttaggtaac aaataatgtc tccacttctg cactgcaaag acaacaacca gcaattcctt 300
 cttataagtg gatagggact gttgctacac attcaagctc ctgctgatga aggctatggg 360
 atgattgtcc tgcata 377

<210> 12338
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12338

agctttttaga atatataata aaagaactat gtctattgaa gaataaattc atgttacttt 60
 ntatgagact aactctatta gccaagaga ggatatactt gatgatatta caaatacttt 120
 agaagatacg cttattcatg aagaagtcca caaagacaaa gaagacaaaa atagtagaga 180
 tgctcaatcc aaagaaaatc aaataaatgt ggatcttcca acggagtgga gaacttcaag 240
 gtaacacccct cttgataata tcataggtga catctcanaa gggataacaa ctgcgacctc 300
 tcttaaagat gcatgcaata acatgagatt tgtctcttta attgaaccta anaacataaa 360
 tgaagccata attgatgaac attggattat ngctatgnca gaaagaataa atcaatttga 420
 aagaaatcaa g 431

<210> 12339
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12339

gctatatata tcgggcgcta naattgtatt cagaagctct tgagttattc aaaggggtcat 60
 aactnttaac tcggatgtcc aattcatgcg catcacatat agagacgcta aaaaatgaac 120
 aacagaagct ctccagaagt taaaacggcc ataagtcttc aactgatgt ccgaattaag 180
 cttatattat atcgagacgc tcaaaaatta acatcgtaag ctctcgagaa attcaaattg 240
 tcataacttt tcaactcggat gtccgattca ggcgcataac atatacag 288

<210> 12340
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12340

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 aaagaagcaa ctacggtttt gogaataatt ttgaaaagga gactattaga ggccaggaga 120
 ggtgcaacag agagtaccgc gtgaaagcgc ttaacaactt ttgaaagtca gacacgacgt 180
 cattctcgcc gccaccaccg tgctgtgcag aggcaacatc gactgtgtgc atctcagctc 240
 ctgcgaaatc ctacaacaga ccaacgacaa caacgacaaa tcgataattc taaggcttat 300
 ttgcgattag gagcaaaaac gaacatcgta tgacgaaggg aaacctgggc aataaggact 360
 ggtgaatatg agaaaaggag gaagctgggt tggagaatga agaagcgcgga atgtntgaat 420
 tgatggctga ttttatagat gaaattgat 449

<210> 12341
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 12341

tgctattttc atctccttac ttcttcaaaa acatgtaaaa tgatactatt gcccatccct 60
 gtttttctac aggccttccc ctttcttgca caccactttt ctttctcttg atatatatat 120
 ttttatttaa ttttaattatg atatagttaa tcattttaac tataactgaa tgaactatga 180
 cacagattat catatgatga cacaagctat ctttcttaa taataatcaa cataattatt 240
 atacaaatta gcatacataat atagcaaatt tgcatagtaa ttaacttgag tattttttata 300
 aatgataact cctatcataa ttaaactctaa ttggtattca ttactattca aaaaatggaa 360
 ttttaatgta taaaagataa tttgatca 388

<210> 12342
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 12342

agcttcctta ttatgattcc taaagaagct atagcttagc tacacatacc tctttaatag 60
ctaagctcac cttcttaaga tgagaagcta gagcttagct acacacccgc tataataact 120
acgctcacc ccatggcaaa atacatgaaa atacaaaaaa aatccctact acaaagacta 180
ctcaaaatac ctcgaaatac aaggctaaaa cctatacta ctagaatggc ccaaatacaa 240
ggcccaaaca aaggaaaaac ctattctaatt atttacaag ataagcgggc tcatgcttag 300
cccatgggct caaaatctac cctaaggctc atgagaaccc tagggccttc ccttgatct 360
ctagccgaat ctacttgag ccttcta 387

<210> 12343
<211> 296
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12343

taatcattga ggccttatgg atcatntact ntangaatca aagctagaaa agatgcattg 60
cttccttttg gaaagactcc attggcatga aattcattca agaactaag cacatctgat 120
tntatgagat ccataaattg tttataaaaa ttaacattca gtccatctgg acagggcttt 180
cggactacca caatcccata tagctgcctt aactggatcc tctttgaaat gagccaccaa 240
caattcatta tggtgcggat caatggacct gaatctaacc tcaatctctc ccactc 296

<210> 12344
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12344

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catcgctctg cggatggtac gcagagctca tgcgtaaatg agtgccgcta gccttgaaca 120
gctcttgcca aaacttgctg ataaagaggg ggtccctatc ggaaaccaag cttcgaggaa 180
tcccatgtat ttaaccacc atgtcgacga acaaggatgc caccatatga gcagtgtgag 240
acgttggtaa cattcccaga tgaatccctc tcgaaaaacg gtccaccacc acgagaattg 300
tggtttttcg tgatacgccg gcaggccgac aatgaaatct aacgagaggt cctcccaagg 360

tcgatggngc accggttaagg ggcataatag tcctgcgacg cgttggtgtct ggtacttagt 420
gacctgacaa tccatgc 437

<210> 12345
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12345

gcagacaatc gcgttccacg gtttccaacg gcacagcccg atgtaatggc agcgaacccg 60
ccaagcaggc cgttacacac gtcaatcacg ttccagtggc caaccaataa ccgcttgctg 120
aacaacgtcg tcagagccgc agtgctccca gccaatgtcg tcgtgacagc tgtcctccct 180
atagcgctcc attgaccata atacccttca ctntcatac ccttgctctat tgtcacaaac 240
gaaccagggt tgaagccgta ccagccgaac cataacataa acgtaccaag cacaactaaa 300
gacgcgctgt ggccacgtaa agcaaccg 328

<210> 12346
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12346

aagattactc attgtataga attctgcana gatattctcc attattggca tgaagtcagg 60
atcttggcac atccaaatac aagaatctga taggtacaat actgtcttca ctgtaccttt 120
cgggcaatat gaatagaacg ttatgccatg tggtttgaag aatgcccctt cagaattcca 180
aacaatcatg aatgacatct ttacatccta ttcanaattn ttcattatct atatagatga 240
tgctgtaact gtttctcacg atattgatca atatctttaa catctgtaga ccttcattca 300
cattatcaaa caaaatggtc ttacgggtct ccaatcgaac atcaatc 347

<210> 12347
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12347

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atccgtgtca aaagttatga ccattngaatt ttctcgagag acttccgtgt tcaatttcga 120
gcgtctcgat atattatgcy ctngaatcgg acatccgagt gaaaagtat ggctatatga 180
atttctcgac agcttcccggt tgttcaattt tgagcgtgtc gatataattat gcgcctgaat 240
ctgacgtccg tgtcaaaaagt atgaccattt gatttctcga 280

<210> 12348
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12348

tgctntcaag aatttcaaat ggtcataatt ttgacacgga ggtcagattc aggcgcctaa 60
tatatcgaga cactcgaaat tgagcaacgg acgctctcga gaaattcaaa tggtcataac 120
ttttaactcg gatgtctgat tcaggcgcgt aatatatcga gacgctcgaa attgaacaac 180
ggaaactctc gagaaattca aatgctcata acttttcaact cggagggtcag attcaggcgc 240
ataatatatc gagacgctcg aaattaaaca acggaagctc acgagaaatt caaaagggtca 300
taac 304

<210> 12349
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12349

agctnttaac attggttatn taggactntc atcatcagtt attaaccgat gatgaaagta 60
ttatcggttaa catcggttnt gttgaaaact gatgttaacg taaaattaca acatcggttt 120
tttaataaac cgatgttggt agtattcgtc aacatcggtt ttttaaaata ccgatgttaa 180
ctaaaactga tgtaaacggt ggtagttaac atcggttttt taataaacca gtgttggttag 240
tgtaggttaa catcggtttt ttaaaaaact gatgttggtta gtggatgtta acatcattnt 300
ttttaaaacc gatgttgctt ttaggaattt ttttaataata ctgtctgctt tttcaataaa 360
cccaaaaatt aagctgcana tttaaattag atcacacaac acaacatata taattttcat 420

tct

423

<210> 12350
<211> 310
<212> DNA
<213> Glycine max

<400> 12350

gaccaccata cagacctttg cccttccatg cagcaacctg gagcaatcga gcagcctgaa 60
gcttatgatg caatatatta caatagacct tctcaacctc agcagcaaaa tcaaccacag 120
caaaacaaat atgacctctc cagcaacaga tacaacctg gatggaggaa tcacctaac 180
ctcagatggt ccagccctca gcaacaacaa cagcagcctg ccctttcttt caaatgctgt 240
ggcccagcag acatacattc tcaccaacca acacagcaca cctagaacac caacgtgagg 300
ccctcacaac 310

<210> 12351
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12351

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gaatacaaag cacaagggcc atcaattcct tctcatagac agattttgcc agattcccat 120
cagataaagc tttactgaag aaagcaatag gtcgtctctg ctgcattaga acagcaccta 180
tacctctgcc agccgcatca cactcaactt caaaaggtaa atcaaaattt ggaagaatta 240
gcacaggggg ggaagtcatg atccccctca tctcctcaaa ggccttgaca gcctctattc 300
cccaagaaaa attgtctttc ttaatcaatt cggtgagaag ggttgctatt ttaccatact 360
tctggataaa ccttctatta taccctgcga gactcaaaaa accacgtacc cccttcacat 420
tctttggtgt gggccatgcc anaatacact tcaccttttt atgggccact gccacact 478

<210> 12352
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12352

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tctggtaagc tactgggctg agcntttgaa tgactnggaa ggtgccgtag tatctntatg   60
caagtttcgt gtatggcgcc cccacgacgg tggattggcg tcttgatgg agttttacca  120
gaaccatgtc tccttcngtg aagtggagtt cgcgatggtg cttgtctgca agttctttca  180
tgtgnttggt ggccttgaac agtttggtgc gcaagctctt gaacattaag tcgcgatcag  240
ttaaccaagt gtcgacaacg tctatatttg aatttctcgc cacgtattga ggaagggtgt  300
ggtggttctt cccaaaggta atctcgtaag gagacatgcc tgtagcggag tggacagagg  360
tgtgtatga ccactccatc cacattanga agcgacocca tgttgagggt ttgtcgtgaa  420
cgaatgcctt gaggtattgt tcaacgactc tatttatca                               459
```

<210> 12353
<211> 562
<212> DNA
<213> Glycine max

<400> 12353

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agcttaagct cttcaactg cacattgttc ttaatatttg aagagtatcc ttatggaacc   60
ttcacccgac gaagacactg aaaaaaactt atcttctcct tcttggacaa agtatggcag  120
gctgggggga agtaaatttt ctcccatca gaccttggat gcaactgtga tcttataccc  180
atatcaccta gatcttgacg ggtattcaag ccaccttcg tcttgccttg aatgttaaag  240
agcgcccaa tcacactgtc acaaacattt ttctcccat gcataacatc aatacaatgt  300
ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt ttccatatgc  360
aactctgact attatcctct ctttgggtct tccaaatac agtggtcagg tgttgaaccc  420
gctgatatac ctgctcacca gtcaacggtt tcagcgtggt agaaagcggc gatgcctact  480
gtagactggt tttcttccat gtttcagttg tatgtaactt gcattttctt cacagatggg  540
gcatgcatga tgacccttaa ca                               562
```

<210> 12354
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 12354

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caataagcgg gttgggttga caggatttaa ttgtcgatgc ggtgaccttt tctgttctga 180
acatcgctac tcagacaagc ataattgccc atttgattat cgcactgctg caagggatgc 240
catagctaaa gcaaattcaa ctgtcaaggc tgagaaactt gttaagatct agatttgntg 300
tctctacagt tcatgctcta ngtgctagta tgctcattgt ngtcctcatg agatg 355

<210> 12355

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12355

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cttatctgga tcacagacac ttagctaagc tataaatggt catgagtgag caggtgacca 120
cactgagaag agtggggaat acatgctaatt gtcattccac atgtggagta tgagaaggag 180
caaagctaatt ttcttcagaa taaccaaagt tctaggaggg ttgttagcct ttggaaagtg 240
gtttgatcag atatgcaatt ggaaaaaccc tctcacatcc atactcattc atatccgttt 300
cataatactg gttctttatc cagagctaatt acttccaaca atttttcttt accttttttt 360
ggttggaatt tggaattttc gatggaggcc aagacactct cctcatatgg acacaagact 420
atcacatgct gatgctgctc atcctgatga act 453

<210> 12356

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12356

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tgtgacttgg agacacgaat nnaaagagag ttttcattgc ccaaaaagt ttatcctctc 120
aaaagattaa gagaagtttt ctgaactgaa atgtcttctc ctctcaaaaa gattccttgg 180

tcaaccactt gcatattcaa taaggaatat tgattgatct tcattgtaca atctatctct 240
 ttttaagagag atntcttctt ctcttcttct tatttctgaa aagggtattaa gagaccgtgg 300
 gtctcttgggt gtagaggatt cctgaacaca agggaagggt tgtccctgtg tggctcaaac 360
 tttgtataag gagttttaca cagagagtgg cacatctcaa gtg 403

<210> 12357
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12357

agacacgtta cttggagtaa tgtgggtgggt tcttaaatat aatttcaa at ggngattttc 60
 atttgttaga tcatgttgggt gaatgccaca atttattgag ggaggactat ggacatgggtg 120
 aatntttgga ggggacatag aagattgcaa cttatacacc tgatcttcag tctttccttg 180
 cagaagaacc gctcccgttg tcaggctctt tacctcaaaa tgcaagggaa aaattcaaca 240
 gacacagagt tagtttgacg taattgagaa acagaaatga gattttgaga gacagagggga 300
 acatagtata ttggaaagac gaagagggat ggtaggggtg ttcaattcag ttgagccatg 360
 atgttgaatg aaaagaccct tatcattggc aatgtgaagc tgatccggac cagtgcagtc 420
 attggaaatn agagacaatt gatgatgt 448

<210> 12358
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12358

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 agcgattagc aggacagtcc ttctactgtt tcttatacgg gtattcagga tacaatcaga 120
 tagcacttga gcctaaggac tatgagaaga caacatttac atgcctttttt ggtgtttttg 180
 cctatataag gatgccattht ggggttatgta atgcaoctgc cactttccaa aggtgcatgc 240
 tagccatctt tgcggacatc ataaagaagt gcatataagt cttgatggac aatttcttag 300
 tgcttgggtt atcctttgat tgctgcctga cgaatttaga gatggtgctg cgaagatgtg 360

tcgagaccaa tctggtacta aactgggaga agtgtcactt catgggtcga gaggggatag 420
tcttggggcca taaaatttca gccccgggca ttgaggtgga taaagcanaa attgacatca 480
ttgaaaa 487

<210> 12359
<211> 669
<212> DNA
<213> Glycine max
<400> 12359

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acatttttga gtaacattca tggactgagc taattaaacg gatcggcaaa tctggcttac 120
cttgccatgt gctttgagtt tctctgagtt tttgtttcct ctttttttgt gtaatatagg 180
gcggaacaaa agaaagaagg aaggcttagc caagtcaaca gaagattcac ttaaaaacat 240
gagttaacat ttcacatgta tactctcttt cctaatttgg ttttctttct ggtaaaattc 300
gtgaggaagt cacaataaca aatagttttt cactataaag taattatggg aatatttggt 360
gtataaaata tttaaaatga gaattttatc ataaaaatat ttgcacttat cttggtaata 420
aatactggta catgcactaa attatatatc taataagaaa ttcatatgtg tataatcttga 480
acattgaata tttagaatga gaatgttggt gaactagctg tactcatcct cctataaatc 540
atattttggg tgtgttgca tgttaaaagt ataaagtacc taattttggt gtacaattta 600
atcgatgatt ctaatgggtc ttcactaat aaaaaatatt aatgtttaga tattccttgc 660
gaataatac 669

<210> 12360
<211> 504
<212> DNA
<213> Glycine max
<400> 12360

agcttctgga tatattatgc acctgaatct tactttcgtt tgaaatgtta tgaccattta 60
aattttctga gagcttccgt tgttcaattc cgaccttctc gatatactat ccgccagaat 120
cggacctccg ggtgacaagt catgaccatt tgaatttctc gagagcttcc gttgttcaat 180
ttcgagcgtc tagatatatt atgcgcctga atcggacttc ccggggataa gttatgacca 240

tttgaatttc tcaggagctt ctgttggttca attccaagct tctcgatata ttatgcacct 300
 taatcggact accgtgtgaa aagttatgac catttgaatt tctcgagagc ttccgttggt 360
 caattccgac cttctcgata tactatacac cggaatcgga cctccgtgtg acaagttatg 420
 accatttgaa tttctcgaga gcttccgttg ttcaatttcg agcgtctcgg tatattatgc 480
 ccctgaatcg gacttccgtg tgat 504

<210> 12361
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12361

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 agtgccgacc caggtctcaa ttgcagacca catcaaaagt ccatccgttg cataagggta 120
 gtcttcaatt aagagctcta caccatttgg ttgtgttggg tctggtaccg ccattcccct 180
 gcgcatgaga tctgcaggga ggccctccat gtcaaagctc caccggtttt tgtatgctcc 240
 acaactgata tccatgcagt agcgcccagg agtaaaacaa gactcaatga ttccatcagc 300
 attgatcagt ttctggcgag ctaaagcatt gatgtctaac gtgtacctca tgtgtggatc 360
 caacagctta aagacacgat gcattgcact taattgccta tgagcaaaca atattaaatg 420
 gttccatgcc cgcattgtgt cgttacctgt atacaattaa ttaccacaaa tttatcccac 480
 ancatgcat 489

<210> 12362
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12362

agcttgaagg caaactggat gcattggttt acttggtttac ccagctggcc ttgaatcaga 60
 aatctgtacc tgtcgcaagg gtttgtggtt tgtgtcctc tactgaccac cattcaggcc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcctat gctacaaata 180
 ttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240

tctccagcaa cagatacaac ccttggttga ccttgtggcc tcaataatct taagagggat 300
aggcttagaa tacagaagaa gcaacaccaa tcaatttaac aatgttcttt aaacatgcaa 360
gacacaattg attgcaacan aataaataag ataagggag agagaatgca aacacagttt 420
tatactgggt cggccacaac ccggtgcctac gtccaatact caagcaaccc acttgagatt 480
ccactatctt tgtaaaatct ttaaaagtct gacnccacag ggcaacccat tcttttgtca 540
gatgcttaca acaagagact acagtctctt accaatctca ttg 583

<210> 12363
<211> 619
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12363

agcttggttg aacttataac aatgggttat gagttatgac cttttataag tttttaacaa 60
cgtttaataa gtttcacaaa atcaaataa atttatctta ataaatttta cagtgatatt 120
tacaaatgag ttttactaaa taattgcttg attaagttat ttatctaaat acatccaaaa 180
ctaattgtca ttcataaaac accactaatg tgattgaaat aatttcaaaa tccagtgggt 240
cagaaaataa atgataagga aaggataaaa aactgccttg aaaatttaga gcatgtataa 300
caatgaaatg agactagctt tcatgtaatg tcgctaaaga aaaacggatg ttgatagtaa 360
caaaattggt tctaaaatgc tgggtgcaac aagttatctt tgggtctttc attttcagta 420
tcaagcatgt ggtctgtgct tcaacaagga tggatttaaa ggttgatgaat ttttgtatag 480
gagacattat ccagacaaac acatgggtccg tgaaattgta cactgatact ttntaatgta 540
agaaagggtt tcaagttata tctaancgaa ttagattcgt atagcgacan tattctatct 600
atttctttaa tttattttt 619

<210> 12364
<211> 550
<212> DNA
<213> Glycine max
<400> 12364

agcttgatga taaaagtgag aagtacatgt ttgtgggtta cgactcaaga tccaaggggt 60
acaagctcta taatccaaat agtagaaaga tcgtcataag tcgcgacgtg gagttcgaag 120

aagaagattg ttgggattgg agtgttcaag aagataagta tgattttctt ccttattttg 180
aagaagatga tgaaattgaa taaccaatca tagaggaaca tattacacca cctgcctcac 240
cgacaccaag gctggatgaa acaagttcaa gtgagaggac accgcgacta aggagcattg 300
aagagattta tgaggtaacc aaaaacctaa acgacattaa cctcttttgt ttttttggtg 360
tttgtgaacc tctaagctat caagaagcag cgaaaaacat aaagtggaaa gacaccatgg 420
acgaagaaat caagtcaatc acgaagaatg atacgtggga acttactaca cttccacgag 480
gacacaaagc aatcggagta agatgggtgt acaaggcaaa gaagaatgct aaaggagatg 540
tgagagata 550

<210> 12365
<211> 609
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12365

agcttcttgt ggttgaagaa cttgctccag tcggtgttga agaggtggcg acatggcgtg 60
ccgcggtaga tgtggtggaa gcgccactca acgccgtgga tgctggcgac agagaggagc 120
tgatagagtg gatcggcata aaagtcgagt ggagggaagc acaagtcggc gcaaaagcac 180
ggcacggaga agccaccgct gttgttggcg tcggagggag tgaggatctt caciaacgaa 240
acgacgccgt tggctctcgcg gtctttatca tcattgtcat ttcgaacctc cttggtgttg 300
ttttggaaag gttgttgttg tgattgttag aggggagtga ggaggaaactt ggcggggaca 360
aaggggagag agcggataag agggttgttg taatgcgagg gagaggcatg ctccatgtga 420
ccctangcct aggggaagca gtaaacccta ttcacacatt aattttggga atgagaacga 480
agacgagttt taagtaaaac ccgtcgtaat tttcattcca ttaaattaca agattgccaa 540
caacatacat tctaagacgg tnttgataa tcacctaga atgttagtca taaaagatt 600
ttttatttta 609

<210> 12366
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12366

agcttggaca atggcagggg gtcgcaacct acccttcgac gggagggcga cacaagggct 60
cacgggtgcg tcttccaagg gaggaaggcg cgcggagtcg ccaccaatgt tggttaagtt 120
gtttttatct ttttttttgc aagatatatt ttaaccgaac aaaagtcgtt taaggcgttg 180
gaccattaaa cgatcttttg attcttttga aaggagagaa acgttaaggc gttggaccat 240
taacgatctc tgggtagaga aacgttaagg cgttgaatca ttaacgatct cttgggggtgg 300
tcgacaaaag cgggggtttt gctcctacgt atcctcaatt gcgatgagga aatcagacct 360
acgtagttct tgcaaaagcg gtaaagttat gtgttgattt tatgcttttg aacgggtccat 420
gttaactgat aaaagcaaag aggaccgttt aaggcgttgg actntaaaac ggtttcaagt 480
gatttttgca gacaaagctt gattt 505

<210> 12367
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12367

gtataatata tgtatgagca catatgtaaa atagagtata tcagattcct cttaatctca 60
agaggatcaa aatacctcac gctcagtaat ggggtaacga caagagtgc accgaaagca 120
gtctggatga aaataattat gaccaactcc taaacaattg ccatagagta tctcttggtt 180
gcacctcca catgttctat tatgcgattg catactgcac attaccagtt gtcaataaga 240
aatgattgag cacgggtcatc ataatgcatt agcatcacia gaatgaaatc aaaattaatt 300
acatgtatgg agaagtcaac agagaaatca aaacttattt taannatttg ttcaaattta 360
tgctaacaac acaatgacat acata 385

<210> 12368
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12368

ttcacaaatc atctataaaa acttgctaag ccaggaaaac tctcacctc agtcacagac 60

ttaggtgtag gccattcttg aatagcccta accttcatct caccaaactg cactgcctgt 120
gaacttaciaa cccatcccag aaacacaaca tggctagtag aaaagatgca tttttcaacg 180
attggcatac aattgttctt ctctacgcac acacaggaca aattntatat gatcaatatg 240
caaagtctgt gaagcgctgt agacaataat atcatcactg tacaccacaa tgaactttcc 300
tatgaactct ctcaagatat ggctcattaa tct 333

<210> 12369
<211> 294
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12369

gagtcccgtc atatatcgag acgtctcgaa atgaatgttg atgctctgag caaactcaaa 60
cgacaataat atttacttgg atgtctgatt gagtcccgtc atatatcgag acgctcgaaa 120
atgaatgttg atgctctgag ccaattcaaa cgaccataac tttttactcg gatgtctgat 180
tcagteccgt cacatatcga gatgctcgaa attgaatgtt gaagctctgg gccaattcan 240
acgacaacaa cattttactc ggatgtctga ttgagtcccg taacatatcg agac 294

<210> 12370
<211> 313
<212> DNA
<213> Glycine max
<400> 12370

cttgacgact gcatataact ttatctgtcc gccatactac atgaaactca cagaatcctg 60
catgaaagac cgactatgc gacaacaatg cggcacagtg gatgaaaatg gcgccacata 120
gggaagagct ggtatgatat ctgaagtctg tatctggaaa gatagcacat gcgtggaata 180
ctcatacatc cttcttcate aacatctgct caaagttatc agccacaacc gcctccgcaa 240
tctgggtact acagtcacac aaaagcaggt catgggtacta attcctatgt ttgcgcataa 300
catcaagcta cgc 313

<210> 12371
<211> 236
<212> DNA

<213> Glycine max

<400> 12371

atggtgatgt ggatgatttc tccagaatga cctgggtcaa ctttatcaga gagaaatcag 60
aaacctttga agtattcaag gagttgagtc taagacttca aagagaaaag gactgtgtca 120
tcaacagaat cacgagtgac catggcagag agtttgaaaa cagcagggtc actgaattct 180
gcacatctga aggcatcact catgagttct ctgcagccat tacaccacaa cagaat 236

<210> 12372

<211> 616

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12372

agcttgagaa gtaaatttgt ttttgccaca taaacttcga aaatgtttat ggattcagaa 60
atattattaga cacatataaa ttgatcaaat taggtgtaca aattaagggc cctatcaatg 120
aaatccaaaa atgatttaaa agtatagatt aatatacaat tagtgatttg agttaatagt 180
tattaattaa tttntaatt ttaattttta atttaaaatt aacaacaaat taattgttta 240
taactctaga gaatgccacg tgtcaacatt tttttttata gaaaatattc ttgtatgtat 300
agactataga ttatatccgt aacaattgaa gacggatatt acaagtttta ctacaattta 360
tatacattgc ttaactaatt gagcgagaca tatgacaaaa tatagaaata attattttta 420
ataaaaaatag aaatataaca cattttctat tgtgttttaa ttaaaatata gaaaaattat 480
aattctttgt ataacattat agtttattgt aaacaatatt ttagtatat attatgtgtg 540
tgtatcatta aaaacaataa tctaaattat gacatatntt ttggtagaat atggttctca 600
tatatcaatg ataact 616

<210> 12373

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12373

ctcttcctta ttaagatccc ttaagaagct agagcttcgc tacttatacc tctctaatag 60

ctaagctcac ctccttgata tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgata ataacaaata atagtcctta ttacatagac 180
aactcanaat gccccgaaat acaaggctaa aaccctctac tactagaatg gccaaaatac 240
aaggcctgga cgaaggaata acctattcta atatttacia agataagcgg gctcatactt 300
agcccatggg ctcaaaatct accctaaggc tcatgagaac cctagggcct ttccttggat 360
ctctagccca atctacttgg agtcttct 388

<210> 12374
<211> 279
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12374

ctccgcttaa catcagacca cttccaggtg ctggaactac ttctcatgga cttgatgggg 60
cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttt 120
tccagatata cctgngtcaa ctttatcaga gagaaaacag acacctttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taagagtgc 240
catggcagag agtttgaaaa cagcaagttt actgaattc 279

<210> 12375
<211> 546
<212> DNA
<213> Glycine max
<400> 12375

agcttatgct gcaaatattht acaatagacc tcctcaacct cagctgcaaa atcaaccata 60
gcagaacaat tatgacctct ccagcaacag atacaacctt ggatggagga atcacccata 120
ttcagatgg tccagccctc agcaacaaca acagcaacct gtccttctt tccaaaatgt 180
tgctggccca agcagaccat acattcctcc accaatccaa caacaacaac agccccagaa 240
acagccaata gttgagaccc ctccacaacc ttccctcaaa gaacttgtga ggcaaatgac 300
tatgcacaac atgcagtttc aacaagagac cagagcctcc attcagagct taaccaatca 360
gatgggacaa ttggctaccc aattgaatca acaacagtcc cagaattctg acaagctgcc 420
ttctcaagct gtccaaaatc taaaaaatgt caatgccatt tcattgaggt cgggaaagca 480

gtgtcaagga cctcaacccg tagcaccttc cttatctgca aatgaacctg ccaaacttca 540
ctctac 546

<210> 12376
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12376

ccctgaacag gcaattatcc tctgtgtatg caaggggtgg gatttttgaa gaagtacatg 60
ccatggacgt gtccgaacat ttgtttcagt gtgaagaata gtaaaatctg gaggggcag 120
taccgaagct tttgtcatta attcctttaa cttgcaaata ctttgtgtgc ctctgagtgc 180
cacgagagtt gatccttgca aatgagagat gttaaagggt ccacgatggc gacatagccc 240
tagattaatt tttggcaaaa ccctatcaga cccaagaatc cttttaaagt atgaggagaa 300
gtaggggagg ccaatccacc atgacctgta ttttatcang gtacgacgtg acaccctgga 360
caaataccat gtgtctgaga tactacagtt ggggtgtgggt gaanacacac tt 412

<210> 12377
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12377

tccatttggt taatctntca taccacgccc taggtgcctt gtttaacca tagatagctc 60
tcttgagttt gcagaccata cttntatca gaatcagcaa atccaggtgg ctgggtcatg 120
tagatttctt ccaaatagcc attaaggaaa gcattgttca caccaattta ctgaatagac 180
cagtgatgag caagagcaat agtcaacatt attttgatng tgacagggtt cacagcaaca 240
cgtggaaagg tttctgaata atcctgacta gttatttgat taaatccctt ggcaaagcta 300
ctagccaaca gattgaagaa cgtcatgccg ttcacatag aaaaaggca atctgcattc 360
a 361

<210> 12378
<211> 585

<212> DNA
<213> Glycine max

<400> 12378

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcacaagg gtttgtgggt tgtgctcctc tgctaaccac catacagacc 120
tttgcctttt catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa ccttagcagc aaaatcaacc acagcagagc aattatgacc 240
tctccagcaa caaatacaac cctggatgga ggaatcacc taacctcaga tgggtccagcc 300
ctcaacaaca acaacaaca gctgctcct tccttccaaa atgctgctgg cccaagcaga 360
ccatacattt ctgcaccaat ccaacaacag caacaacccc agaaacaacc aacaattgag 420
gcccctccac aacctttcct cgaagaactt gtgaggcaaa tgactatgca gaacatgcaa 480
tttcagctag agaccagagc ctccatttat agcttaacca atcaaatggg acaattggct 540
acccaattga atcaacaaca gttccagaat tcttgacagc tggct 585

<210> 12379

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12379

agtctccata canagtcagg ttaacgatta ctgcctgtg ctntttcttc catgctatat 60
gtagcanagt cattgatcca gtcattgttg atgagttgga aaatgaggcc gcaattatac 120
tgtgccagtt ggagatgtat tttcccctg ctttctttga catcatgatt cactttgatt 180
gtgcatctgg tcagagaaat caaatgttgt ggtcctgttt atctatggtg gatgtaccg 240
gctgagcgat acatgaagat cttaanagg tatacaaata atctatatca tccagaagca 300
tctattgttg agaggtagat tgcagannaa gccattgaat ntttttcaga atacttagag 360
aaggctaaac ctgttggcct tcctgagtct cgacatgatg acagagtggg tggtaagggt 420
tcaagaggac tgcattgtgat cac 443

<210> 12380

<211> 528

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12380

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tgtcttcctc taaatcccca tgcaagaatg cagttttaac atctaactgc tccaagtga 120
gattctctgc agctactatg ctccagaataa ctctgatggt agtcatcttt acaactggag 180
agaagatctc tgtgaaatca attccttggt tctgctgaaa ccccttcacc acaagtctcg 240
ccttgatatc tcttctaccg tcagattctt cctttagcct atagaccac ctattctgta 300
atgccttctt tcttctggc aatttagtta aagaccacgt cttattcttt tgaagggatg 360
tcattctatc tttcatcgt agtccact caatagtgtc attccctgt gtagcctcat 420
tgaaacattc tgggtcaccà gcatcagtta acaacaaata atgcaatgaa ggggaatacc 480
tatctggtgg tactgaaatt ctgctatatt ttcttgagg agttgatg 528

<210> 12381

<211> 369

<212> DNA

<213> Glycine max

<400> 12381

agcttgtaag atttgcaaga atttcttctc tgtacaactc cttgaaaatt attgccatca 60
atataaagat atgacaattt agagagtgat ccaagacttt caaatggatt tccactgaat 120
ttattaaaag agagagagag agatttttaa tctatctccc ttaagttgag gagattaccc 180
aaaaaagtcg gaattgttcc ttcaagttga ttacgtgata aatcaagttc aacaagagaa 240
gtcaaatttc ccgaagaagt tggaatggtt ccttcaagtt gattatatga caaatcaagt 300
tcaacaagag aagtcaaatt ttccggggca tcagaaatag tcccatgcaa gttgctggaa 360
cttaggtcc 369

<210> 12382

<211> 359

<212> DNA

<213> Glycine max

<400> 12382

cgcatgcaag cttccacttt taagggataa cacatgaaca gcgctaggca atgacattca 60

tgggtgctccg aacaaagggtg gagtatggag gattgccttg aggggtccgca cttatgcaat 120
 catgaaactc agctccaaac ttgaaagtgg aggacacatg aacaacccta agcaataaca 180
 ttcattgtggc tccgaaaaag gatgagaatg gaggattgcc ttgaggggtac tctcttaggc 240
 aatcatgaaa ctcatctcca aactcaaaag tggaggacac atgaacagcc ctaagcaata 300
 acattcatgt ggctccggaa aaggatgaga atggaggatt gccttgaggg tcctctttt 359

<210> 12383
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 12383

aaaatggcct cagcaaactt cttaatctct atggaaattc aatcaatagg cctccaatct 60
 ttaatggaga ggggttaccac tactcgaaaa cccgaatgca aatttttatt gaggcaatag 120
 acttaattat ttgggaagcc atagaaatag ggtcttatat atccaccaca gtagaaagaa 180
 ttacaataga tggaagcaca tcaagtgaaa gcataacaat agaaaaacct agagatagat 240
 ggtctgaaga ggataaaaga cgagtacaat acaatttaaa agccaaaaat ataattacat 300
 ctgccctgcg aatggatgaa tatttcaggg tttcaaattg taagagtgtc aaggaaatgt 360
 gggacactct aacttaaca catgaaggaa caacatatgt taaaagatct aggatataca 420
 cattaactca tgaatatgaa ctat 444

<210> 12384
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 12384

tgctacaaac atctacaaca gacctcctta atttttcagc aaaatcagcc acaacagaat 60
 aattatgacc tctccagcaa caggtacaat cccgagtgga gaatcatccc aaccttagat 120
 ggtcgaatcc ttcacaacaa cagcagcaac aacaacaacc ttattttcaa aatgctgctg 180
 gcccagcag accatacgtt cctccaccaa tccagcaaca acaacagcaa cagcccaaaa 240
 aacagcaaac agttgaggct cctccgcaac cttccctaga agaacttggt aggcaaatga 300
 ctatgcaaaa catgcagttt cgacaagaga ccagagcttc cattcagagc ttaactaatc 360

agatgggaca attggctaca cagttaaadc aacaacagtc ccagaattct gacagaatac 420
cttctcaatc tatctagaat 440

<210> 12385
<211> 229
<212> DNA
<213> Glycine max

<400> 12385

aaaccgaagc tcctagcaaa ttcgaacgac aataacggtg cactaagaag tccgattgag 60
tcccgcagga tatcgagacg ctcgaaagtg aaaaccgaag ctcgtagcaa attcgaacga 120
caataactgt tccctcgga gtcgcactga gaccgcgaat atatcgagac gcgcgaaatt 180
tagaaccgaa gcttggagca aaagcgaaca acaataacaa ttcactcga 229

<210> 12386
<211> 312
<212> DNA
<213> Glycine max

<400> 12386

cttccgactg aaaacttatt gtcgttcgaa tttgctacga gcttcggggt taaatttcta 60
gtgtctcata tatattccgg gactcaatcg gacttccgag tgaaatgtta ttgtcgttcg 120
aaattgctag tagcttcggt tttaaatttc gagcgtctcg atatatttcg ggactcaatc 180
ggacatccga gtgaaatgtt attgtcgatc gaatattgct acaagcttcg attttaaatt 240
tcaagcgtct cgatatatta cgggactcaa tcggacttcc gagtgaaaag ttattgtcgc 300
tcgaatttgc ta 312

<210> 12387
<211> 414
<212> DNA
<213> Glycine max

<400> 12387

gtgcagacta agtgcacc aacactagat aagaatttct tgggtgtttc atgaaacctc 60
tgatgctaga tcaccattca ggaatgccat tttcacatcc attggatgca gcttatgatc 120
aaaatgagct actaatgccga gaattactcg aagagagtct ttcttagata caggggaaaa 180

agtctctctg taatcgaatc cttctctttg agtgaatcct ttagcaacca gtattgcctt 240
 atgtctctca atgggtgcctt ctgagtattc ctttggttg aagacccatc tacatccgat 300
 ggctttttaca ccaacaggca actcatcgag atcccaatct tgggtagatg ccatagaagc 360
 catctcatct ctcatagcat tataaccacaa agttgattcc ttagaactca tggc 414

<210> 12388
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12388

gcatgcaagc ttagaagaaa agcncgtgtt ctgagatttg tgggattttt tgangnnggg 60
 ctaggntacg tagggcaata cagccccaac gtgagatgga tgcttcttgg ttatgtggga 120
 gagactgatg cagggtctttt ggaattctct aagggtgccc ccagtcttca gaaacttgaa 180
 atgagaggat gctccttttt cagtgaagtat gactagcta ttgctgcaac tcaactgaat 240
 tctctcaggt acctatgggt gcaagggtat agtgcattct catctggacg cgatcttctg 300
 gcaatggctc gccctatttg gaacattgag ctgattcctt ctagaagcgt gggtgttagc 360
 aatcagcaag a 371

<210> 12389
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12389

tggatgatcag tcaggatgat gaaaggatga ccataaagta gtgggtgccac ttgagtattg 60
 cagttgtaat tacatgaagc tcacaaacat aagtagaagc ttgttatagc ctgnnggcaca 120
 attgcttggc tatgggggtg gagttctgta acaggactgc tcctatggcg gtgccggagg 180
 cgtcgggtttc aatggtaaat tgaattgtaa agtctggagt ggtgagggca ggagcttggg 240
 tcatgatggt ttttaattgt tgaaaagctt cttgagccgt gggactccat gaaaatttgt 300
 ccttacacaa gagcgtagtt aacgggtgctg ctatggcggc ataacttctg atgaattttc 360
 gatagaatcc tatgaggctc atgaaacttc tca 393

<210> 12390
 <211> 401
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12390

ngaaggcaaa ctggatgcat tggttaactt ggtattctat ctgacctga accagaaatc 60
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 cccttccatg cagcaacttg gagaaattga gaagcccgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agtagcaaaa tcaaccacag tagaacaatt atgacctctc 240
 tagaaacaga tacaacctg gatggaggaa tcacctaat ctgagatggt ctgacctca 300
 gcaacaaca cagcagcctg ctccctcctt ccaaaatggt gctggcccaa gcagaccata 360
 cattcctcca ccaatccaac aacaacaaca gccccagaaa c 401

<210> 12391
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12391

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 gctaagggtg gagagaggaa gactagagat ttggatcaag taaagtgtgt taaggatgaa 120
 gaaggcaaag tcttagtgca tgaaaaagat atcaaggaaa ggtggaaggc gtatttccac 180
 aacttattta atgatggata tggatatgac tctagcagtc tagacacaag agaaggagc 240
 cggaactata agtactatcg tcggatttag aaacaggaag taaaggaagc attgaaaaga 300
 atgagtaatg gtaaggcggg ggggccagac aacataccta ttgaagtgtg gaaaactctt 360
 ggagatagag gtcttgagtg gctcaccana ctctntaatg aaattatgag gtcaaacgc 420
 at 422

<210> 12392
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12392

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agtgcacacag agaagccaaa gancctatag aagctggaag ctgctgagc attttacatt 120
tggtcaatct taagggtgaca agattttcta gccatccaat ggactctggc aattccctga 180
tatttccatt gaacatgttc agtgtagtaa gaaatgctag gcggccaata gattctggta 240
aatattcaag atttttgcaa ttcacatct caagtttcct caataatttc atctctccaa 300
tctcatctgg caaatctgtg atgggtgttc catctaactg aagctcaaca actgaag 357

<210> 12393
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12393

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tctgcaaaag ccaaagtga tagctgaata cctgcacagt tgagatgaaa tttaaaattg 120
gcatcatcct tgaggctgct catatctctg gaaaagtact ccaaacagag cacaacaga 180
taaggggaga gaggatcccc ttgtctaaga ccccgctgtc ctttgaagtg accataaatg 240
gatccattga ctgccacact aaagggaagta gaagaaacac attccatgat ccaagtacag 300
aaatgagctg ggaagccaat ggacttaagc atccaatcca agaattccca gaaaatggaa 360
tcataa 366

<210> 12394
<211> 363
<212> DNA
<213> Glycine max

<400> 12394

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cttagatatg catgtatgta aacaaaaaaa tacttcacaa aatatatata tgtatgttta 120
ggtagaaaga taccttagat atgcatgtat gtaacaaaaa aatacttcac aaaatatata 180
tatgtatgtt taggtagaaa gataccttat atatgcatgt atgtaaacaa aaaaacactt 240

cacaaaatat atatatgtat gtttaggtag aaagttacct tctatatgca tgtatgtaac 300
 aaaaaataact tcacaaaata tatatatgta tgtttaggtg gaaagatacc ttagatatgc 360
 atg 363

<210> 12395
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12395

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 cgtcacgctg actcaaagt cagtatgaca gatcttgtga gcgcggaaga tgacataaat 120
 ctccgcgtgt caacgggctt gtcggccgag attgacgaag ggcgagaga acgacgttag 180
 tctctgctg ctatcaggct tttcgtctta ccgacagcaa aaaagttttg aaagtgcgga 240
 caaccacttg ggtatctccg catgtcacgt gactccagt ccagcatgac agaacttggt 300
 aggggtggccg acaaaagtga ggctcttgct cctacgtatc ctccaatgag gaactcagac 360
 ttacgtagtt cttgataact tgtgagactt gaaaaagtc 399

<210> 12396
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12396

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 atttccatt tgcattgtac caaagtcacc gctttggtag gatgagaaga aacttccatg 120
 tggagtaaca tggaaggagg caccggaatc gacaatccaa gagctatcat cacaagcaat 180
 gtttaggata ttaccttcac caacgagata taacaaatct tcttttgaaa ctacggcagt 240
 agtattcttc ttttctttct tctttgttgg gctgacttgg tctggcttaa cgttaccgat 300
 tgtttgatct ctcttgaagg attgacattc tattttctctg tggcccatcc ttccacagta 360
 gtagcatgta attnttttagc gtgatttggg tctacctga gaatgatgcg aatctcggct 420
 cttaatagct ccacgagtct cattcata 448

<210> 12397
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 12397

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 ggcacatccc ttgaggctgc tcatatctct ggaaaagtac tccaaacaga gctcaaacag 120
 attaggggag agaggatccc cttgtctaag acccgcgtgt cctttgaaac gaccatttat 180
 ggatccattg actgccacac taaaggaagt agaagaaaca cattccatga tccaagtact 240
 gaaatgatct gggaagccaa tggacttaaa catccattcc aaaaattccc 290

<210> 12398
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 12398

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 gcacttgcca caattactaa cgactccaaa ttatcatgat tcttcaatag ttcagttatc 120
 aattctacaa tccgctgatt gattctccac aacttctgac ctgattggc atctttggca 180
 atccatggct gcaattcctt ctccgcctga caagcaacaa gtcaggggat gaaaaatgaa 240
 atattgtaaa aaaatctaca aaatggaagc tgatttggaa cacaggtag atgagctctt 300
 ctgcataaga tattttaaact ttctatacat taaaagctat gtctcatgtg ggaattaaat 360
 atg 363

<210> 12399
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 12399

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 ttgccgaacc agtataaaat tcttgtgttt ttcttcttct tccatacact ttttaatttc 120
 cgttgtgtac ttacttttta tgctttactt ttgtttaagt tacataactt agtagtaaag 180

cctaattgaa tctagtaaca ttaagaagga tcagttttta ttagtcaagg ttacttaata 240
 attaattcaa cccccctatt ctcaattact ccaaggccac ttgatccaac acattgtacc 300
 ctgagcaact gccagttagt tcttcttctt tttcttttct tttctttaaga gttgaat 357

<210> 12400
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 12400

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 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 aaagatgtcc agattgcaac tcctggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg ataacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagta 358

<210> 12401
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12401

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 tacagtggcc aaggatgctt gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggccac aaaatttgaa aatctgaaga tgaaggagga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360
 tgaa 364

<210> 12402
 <211> 382
 <212> DNA

<213> Glycine max

<400> 12402

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tgcgctccat gagaggttgg atcaaatgga gaatagagat cataatgaag aagaaaggag 120
gagaagaggg aatgatggta ttcctagaca aaaccgaatt gatggtatta aactcaacat 180
tcctccattt aaaggaaaga atgatccgga ggctacttg gagtgggaga tgaaaataga 240
gcatgttttc tcatgcaaca actatgagga ggaccaaag gtgaagcttg ccgccacgga 300
gttttccgac tatgctcttg tgtggtggaa caagctacaa aaggagagag catgaaatga 360
agaggcattg gttgatacat gg 382

<210> 12403

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12403

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taaaaaaagt ggtttgaata aaaagggttg tcttctgtag ttaaatagaa aaacctgttg 120
atgcaaaaaca aaagaagtgg ccaacaaaga agaagaacat ggctaattaa taaactaaac 180
tcacaaaaca cataatataa tatccaaaat aatatggcac agttctacaa atttaccttg 240
agactcatct tgaccatctt tactttggtt tgggtgccact ccaaaatcag ctagaagagc 300
ctcaagctct gcaagntcct tcttcttctt ttccttttta gagagctgcc tttctgtc 358

<210> 12404

<211> 356

<212> DNA

<213> Glycine max

<400> 12404

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atgaagtggg gtcaatactt gtaatatcac aatgctctat ttgtaaatac cacaccctcc 120
ttttatgttt catatttcaa agaaaaggaa tgtaataat gttaggaagt cccacatgtc 180
tagttcttgg gatacaactt atatatctct tggataactt cacttagtgt caattggttt 240

taagttgaga tctaacatag tatcaaagtc tatagcccat cttagttctt gcctattcca 300
gaggcaggcc tctgtgtagg ggtgtagga agtcccactc agtgtcattg gtttta 356

<210> 12405
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12405

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tattaagtct gatgaaccga cctgttttagc aataatattt tatattaaag atattattat 120
taatatgata tatagtataa ttattatatt taaattataa aattatttta gtagtttgac 180
aattttaatt agtgtttgaa atatcttaat tcgtataaat ataaatgtgt agcaaaaata 240
tacattcttt tcttttggtg agacttaaaa gacttttagta atatgtcacc cacaatgttt 300
tcccatattt tattgtttta aattgtctta ttatttttaa taaaaatatt tggttntgct 360
taaaagataa tactttntta cactttttaa tatgaaacaa acctttaaat ggattaattg 420
gcctaacc aa cttatacaaa agctaagtc 449

<210> 12406
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12406

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ttcgagagct tccgctgctc aatttcgagc gtctcgatat attatactcc tgaatcggac 120
ctccgagtga aaagttaaga ccatttgaat ttctcgagag cttccgttgt tcaattttga 180
gcgtctcgat atattatgag cctgagtcgg acctccgagt ggcaagttat gaacatttga 240
atttctcgag agcttccggt gcttcaattc gaccgtttcg atatattata ctctgaatc 300
ggacctccga gtgaaaagtt atgaccattt gaatttctcg ag 342

<210> 12407
<211> 365

<212> DNA
 <213> Glycine max
 <400> 12407

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ttccaaccaa ggctgtctca aggacacctt ttgagttatt caaggggttg aaaccaagtt 120
tgtgacatat acgcgttttg ggatgcccggt ctgaagtaag aatttataat ccacaagaga 180
agaaactaga ccctaagact attactgggt atttcattgg atatgctgaa aggtctaaag 240
ggtatagggt ctattgtcca tcccacaaca ctaggattat ggaatcaagg aatacaaagt 300
ttcttgaaaa tgacttgatt agtgggagtg atcaatttca gaacatttct tctgaaaggg 360
atcac 365
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<210> 12408
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12408

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aggcttcggt ttttctacga gtttcgaaag gaacctggac aaaaacgccc atctaccatt 120
caacttttga acttctctga tgttgtagg actctgcatt tccaatattg ccgtacactt 180
gtttggggtg gcttcgatcc cttgggtgggt gatcatgaac cccaagaatt ttctactgcc 240
gaccccaaag gtgcattttc aggggtgagg catatgtcat atttacgggt ttctccaaat 300
acttcttca agtctgctac atgttgggcc aactataag acttgataac catgtcg 357
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<210> 12409
 <211> 347
 <212> DNA
 <213> Glycine max
 <400> 12409

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agcttggatt tcctttgctc ctgaaacctc tcctttctca tgtgaaccca aaaccaatct 60
ttgggttgga aaacaacctt tttgcgcccc ttgtttgcat gtttagcata gctctcattc 120
ctcttttcaa tttgggcctt gactctttca tggagctttt tcacatagtc cactttgggt 180
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tgctcttctt tatgcttttaa aactgaaata ttaggctttg gcaacaaatc aagaggagtt 240
 agtggattga aaccataaac aacctcaaaa ggagaacaag tagtggtgct atgcacagtc 300
 ctattataag caaattcaat gtgaggtaag caaacttccc aattttt 347

<210> 12410
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12410

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 ttcgattcag gcacataata tatcgagacg ttggaaattg aagaacgaat gctctccaga 120
 aattcaaattg gtcataactt gtcacacgga ggtccggttc aggcgcataa tatatcaaga 180
 tgctcgaaat tgaacaacga atcctctcga gaaattcaaa tggtcataac ttgtcaaaca 240
 gatgtccgat tcaggcgcat aatatatcca gacgctcgaa gttgaatatc ggaagctctt 300
 gagaaattca aatgggtcatt acttgtcaca cggaagtccg attctggcgc atcacatatc 360
 gagacactct 370

<210> 12411
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12411

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 aacaattatg acctctctag caacaagtag aaccccggtt cgaggaatca tcccaacctt 120
 agatggtcga atccttcaca acaacagcaa caacaacaac aaccttattt tcaaaatgct 180
 gctggcccaa gcagaccata cgttcttcca ccaatccaac aacaacaaaa acagcaacaa 240
 ccccataaac aacaaacagt tgaggctcct ccgcaacctt tccttgaaga acttgtgagg 300
 caaatgacta tgcaaaacat gcaatttcaa caagagacca gagcctccat ttagagctta 360
 actaatcaga tgggacaatt ggctacacag ttaaataaac aacagtccca gaattctgac 420
 agattatctt ctcaatctgt ccagaatccc aaaatgt 457

<210> 12412
 <211> 354
 <212> DNA
 <213> Glycine max

 <400> 12412

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 aatctgtacc tgtcgcaagg gtttatgggt tgtgctcctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagtagcc tgaagcttat gctgcaaaca 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc taatcttaga tggcttagcc 300
 ctcaacaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaa 354

<210> 12413
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12413

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 ataaagaact tagtgaatat catatacaag cagatcaaag tagaagcctt cacagtatat 120
 gattactatc acctctatgc taaattcttg gatactgttt tgccttacat tagggaaggg 180
 aagataacat atgttgaaga cataactgag ggtcttgaga acggtccaat ngcactagaa 240
 gcaatgttcc aaggctgtag tgctggtaaa caagtcatta tacttgctcg tgaataaatt 300
 agtacaacct tactgggtga tctttcanna tcattttggt tgtgtntgca actctcactt 360
 tgagaggttg ttgagtaata aacaacgtgg atcatgttga ccattcttaa t 411

<210> 12414
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12414

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acatttcact cggaggtccg attcatgcg ataatatatc gagacgctcg aaattgaaca 120
 acggaagctc tcgagaaatt caaactgtca taacttttca ctcgaggagac cgaatcacgc 180
 gcataatata tcgagacgct cgaaattgaa caacggaagc tctcgagaaa ttcaaattggt 240
 cataactttt cacacggagg tccgattcag gcgccatata tatcgagaca ctcgaaantg 300
 aacaacggaa gctctcgaga gattcaaattg gtcataactt ttcaactcgga ggtccgaatc 360
 aggcgcataa tatatcgaga cgctcgaaat tgaacaacgg aagctctcga gaaattc 417

<210> 12415

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12415

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 tgcaaatattt tattgaggca atagatctaa atatctggga agccatagaa atagggcctt 120
 atatacccac cacagtagaa agagtttcaa tagatggttag ttcattcaagt gaaagcataa 180
 ccatagaaaa atctagagat agatgggtctg aagaggatag aaaatgagta caacacaacc 240
 tanaagccaa aaacataata acatctgccc taggaatgga tgagtatttc agagtttcaa 300
 attgtaagag tgctaaggaa atgtgggaca ctcttcgatt aacacatgaa ggaactacag 360
 atgttaaaag atctanngat aatgcactaa ctcatgagta tgaattattt tagaatgaat 420
 gcaaatgaaa tattcagagt atgcaaaaaga gatttacaca ta 462

<210> 12416

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12416

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 actcatcaag gaattntaca aatgaaccac agtctctttc aatcagttct agaagctccc 120
 cggatggctt tccacctcca cactggttca tgcactccca gaagaagtca tggttccata 180
 cctgcactat gcattacaag attgattgat taattaagta ctaagccatg gtgttgaaac 240

atgaattaga gattctgggtt gcaagcatgc atgcctgtgc tgcattgttg aaagctggaa 300
gaagtcaccc ttattgtatg atgtgacaat aatctcttct agtgacatac catcaagctc 360
t 361

<210> 12417
<211> 330
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12417

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tttaccgctg cgccatgact tgctttgggg ggcttttaaat catcttgata aaattagttc 120
ttacttttta cttataaaatt tttatcacag gaagaatgat tcatagctta aataaaaaatg 180
agcatgctct cgatatggct gctcctgttc atgagagatt gggatgatg gatggctcta 240
ctgacgacaa ttcctcattg aagaagagaa ccaatgttct cctccatcgt gatcacactg 300
gagacttgga atgtcttgat ggttgaatat 330

<210> 12418
<211> 381
<212> DNA
<213> Glycine max
<400> 12418

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tcaaatggag aatagagatc ataatgaaga agaaaggagg agaagaggga atgatggtgt 120
tcctagacaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaagaa 180
tgatccggag gcctacttgg agagggagat gaaaatagag catgttttct catgcaacaa 240
ctatgaggag gacaaaaagg tgaagcttgc cgccacggaa gtttccgact atgctcttgt 300
gtggtggaac aagctacaaa aggagagagc aagaaatgaa gagccaatgg ttgatacatg 360
gacggagatg aaaaaatcat g 381

<210> 12419
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12419

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aatcgagcat ccgagtcata agttatgggc agttagacta tccatgtgct tccgtgttta 180
attntgagca tctgcatata tgatgcacct gaatcggaca tctgag 226

<210> 12420
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12420

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atgcaaattt ttattgaggc aatagatcta aatatttggg aagccataga aatagggcct 120
tatataccca ccacagtaga aagagtttca atagatggta gttcatcaag tgaaagcata 180
accatagaaa aacctataga tagatgggtc gaagaggata aaaaacgagt acaatacaac 240
ttanaagcca aaaacataat aacatctgcc ctaggaatgg atgaatattt cagggtttca 300
acatgtaaga gtgctaagga natgtgggac actcttcgat aacacatgaa ggaactacag 360
atgttaaaag atctatgata aatgcactaa ctcatgagta tgaaaatatt agaataatg 420
caaatg 426

<210> 12421
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12421

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ccaattcaat ttatggaaga gaactaatc tatataattc aaaaatgttg tatataaaag 180
taaaaaaatt ataataaaac tcagcttata taaaatgtca ttttttatta ttaattatca 240

ctaaacacca aacatttcag ctcaactatc tcaattgatt catacaacat aatcataaca 300
 canatcatac attatcatca acaacatact ttcacacca ataatcatca taaactatca 360
 aatatcatga gtcgcataca atcataaact atcacaaaac ctcatcatac tcaatcacca 420
 acaaccatca tcataactga agtacatcat agaccaagac aacatcaaac atcaaccact 480
 tattctanct catgngagtc aacaca 506

<210> 12422
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12422

acgctcgaca ttaaacaatca gaagctctta tatattcaaa tgggcctatt ttttcatgcg 60
 gatgtccgat tatggcgaat cacatgtcga gacgctcaaa attgaacaac ggaagctctt 120
 gagaaattct aatggtcata aattttaact cggatgttcg attcaggcgc atcacatata 180
 gcggcgctcg aacaggaaca acggaagctc tcgagatatt caaatggtca tgaactttca 240
 gactgaggtc cgattctgga ttataatata tcaagacgct cgaaattaaa catcggaagc 300
 tctcgagaaa ttcaattggt catcactctt cacacggatg tccgattcgg gcgcataata 360
 tgttgacacg ctcgatactg aacaacggaa gctctcgaga aattcanatg gtcataactt 420
 ttcacacgga tgtccaattc atgcgcatca catattgaga cgcacgaaa tgaacaacg 479

<210> 12423
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12423

tcccagagagc tttttttgnt cattntcgag cgtttctata tgtgatgcgc cttaatctaa 60
 catccgtgcg aagagttatg accatttgaa tttctcaaga gcttccgttg ttcaatattg 120
 agcgtctcga tatgtgattc gcctgaatcg tacattcgtg tgaaaagtta tgaccatttg 180
 aattttctcaa gagcttccgt tggatcaattt cgagcctctc gatataattat gcgcccgaat 240
 cggacatccg tgtgaaaagt tatgaccatt tggatttcgc gagagtttac gatgtttaat 300

ttcgagcgta tcgatatatt attcgctga atcagacatc cgtgtgatag ttatgaccat 360
 ttgaattttc aagagcttcc tgtgttcata ttcgaacttc tctacatatt at 412

<210> 12424
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12424

cttcaatata tttattctag atgactnngn cactttttgt gtctctaatc cctccattnc 60
 aaaacttctt atatttaagg tttttacaca gattaataaaa ctattttatat atacaaaactt 120
 aaactaaatt attctaattt ataaatcata aagataaact aatagtccac aatacaaaat 180
 aattatccaa taattgtcca ataactcana ctcaataata ataatacata acataaaactc 240
 aagactactc aatgtccaat aattatccat aaactcacat tagcatcaaa gccaatgtcc 300
 acactaattg tccacaaaact catattcaag catcaaactc aatgtccaca ctaatngtcc 360
 acaaagtga atttaagatt ataaatatat atggtagatt tacaaatggg aacgcataat 420
 tccaaaaacc ccatattc 438

<210> 12425
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12425

atcttggggc tttttccac aactctngta aatgggagag aaatgttcat ctaaagcata 60
 caaatctcta atgttatcaa atcctaaaat ntgagctcct agtgagcaaa acaatgtgtg 120
 tctcttagag agggcatcag ctaccacatt tgtttttccc ttnttgtatt tgataacata 180
 tggaaattgc tctangtact ctacnnccat ttgcatgcct ttgtttaact tgctttgcac 240
 tctaataaac ttaagtatt gatgatcact atgaatgaca nattccttgg aaacaaggta 300
 atgttcccaa gttcttagtg ctcttatt 328

<210> 12426
 <211> 405
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12426

tgtagtctt attcgtcagt tctttgacct tccaccacca tcttcataga tttagattat 60
tattatattn tgttttttaaa gccttgcatt tggctatgtn tttatgacat tcgaacactt 120
agtatttctt ttaatatattg cttagtagatga ttgaacatga tgataatatt tacttgctct 180
tggttggtta tggctatggt tgttaaactt aattattntg atgatatata tgtctagtgg 240
tatgtactta catttggtat tgtgctntat gtatgtttta gaattatnta tgtatgaatt 300
attttacaca cttttggcct tttgatgttg ccaaaggggg agagaaaaat ggggtatttta 360
gaaatcaaga tattatattt tcaaagtctt aaattaagca taaat 405

<210> 12427

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12427

cgtaccaagc ttcaattgga gtcttgtctt ttacagacct agttggacat ctgttgagta 60
tgtaaacaac agtgtagact gcttcagccc aaaatatgtt aggtagtccc ttttccttga 120
gcatcgatct agccatctcc ataactgtgc gattctttct ctcggacact ccattttggt 180
gaggagaata tgcgactgta agttgtctct caatgccttc atcctcacia aatctttcaa 240
actcgcgaga ggtgtactct ctgctgcgat cacttcttag tgactttatc cgtcttccac 300
tttgattttc agcaagggcc ttgaactcta tgaatactcc aaagacttct gatgattctn 360
ttagaaaata taccatg 378

<210> 12428

<211> 322

<212> DNA

<213> Glycine max

<400> 12428

gcgtctcgtt atattatacg actctattag acatccgagt aaaatgtgat tgtcgtttga 60
gttggtcag agcttcaaca ttcaatttcg agcatctoga tatgttacgg gactcaatca 120

gacatccgag taaaaagtta ttgtcttatg agttggctca gagcttcaac attcaatttc 180
gagcgtctcg atatatgacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt 240
gaattggctg agagcttcaa catgtcaatt cgagcgtctc gatatgttac gggactcaat 300
cagacatccg agtaaaaaga ta 322

<210> 12429
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12429

tgtctgcatg aatccttgtt tatatcgaga cgctcgatat tgaatgttga agctctgagc 60
aaattcaaac gacaataacg ttttactcgg atgtctgatt gagtcccgta atatatcgag 120
acgctcgaaa ttgattgttg aagctctgag aaaattcaaa cgactataac tttttactcg 180
gatgtctaata tgagtgccgt aatataacga gacactcgaa gatgaatggg gaatctctaa 240
gcaaattcaa acgacaataa ctttttactc ggatgtctaa atgagtctcg taatataacg 300
agacactcga agatgaatgt tgaagctctg agcagattca aacgacnact acattttact 360
cggatgtctg attgagtccc gtaatatatc gacacgctc 399

<210> 12430
<211> 296
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12430

cacagcaaga ctaacttttc tctctctgct tcgtggacgt tagataatgg gataccaatc 60
catttgctaa caatctctgt gatatcaagg tcagtgcact cttctccaaa taaagaatgt 120
ccggactttc tgaagtcggg taggctcttt tcagcttctt ctaattggcg ctgaagggac 180
atcaaagttc catacttaag ctccgcagca cggttcatgt cataatcacg ctcagcagct 240
ttcatctcta agttgactct atcaatctat acacgtgtnt ataacaatta agtcgc 296

<210> 12431
<211> 437
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12431

ctggaactac ttcacattgt ctngatggng cctatgcaag ttgaaagcct tggaggaaag 60
aggatatgcct atgttggtgt ggatgatttc tccagattta cctgggtcaa ctntatcaga 120
gagaaatcag acacctttga agtattcaag gagttgagtc taagacttca aagagaaaaa 180
gactgtgtca tcaagagaat cangagtgc catggcagag agtttgaaaa cagcaagttt 240
actgaattct gcacatccga aggcattact catgagttct ctgcaaccat tacaccacaa 300
caaaatggca tagttgaaag gaaaaacaag actttgcaag aagctgctan ggtcatgctt 360
catgccaaag aacttcccta taatctctgg gctgaagcca tgaacacagc atgctacatc 420
cacaacagag tcacact 437

<210> 12432

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12432

atgcaagctt aatatatcta tatatggttt anaacaagtt ttccgtcagt ggtaccttaa 60
gtttcatggg ataatttctt cattnggttt tgatgaanat cccatggatc aatgcatata 120
ccacaagggt agtgggagta aaatatgttt tcttggttta tatgtagatg atattntact 180
tgtagccaac gatcgggggt tgctacatga ggtgaaacaa tttctctcta agaattntga 240
catgaaggat atgggtgatg catcttatgt catcggcatt aagattcata gagatagatc 300
tcgaggtatt ttgggtctat cacagganac ctatattaac aaaattctag agagatttcg 360
gatgaaagat tgttcaccaa gt 382

<210> 12433

<211> 515

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12433

acatagacag tatcatctgc atattgcaga aagtnaattg gcaccttctg ctnccttct 60

aaataactgc tgtacagacc ttnggataga gctgtcctca tcatgccagt caagccttca 120
 gccacaatat tgaaaaggaa aggggctaag ggggtcccctt gcctcaaacc tctagtgggg 180
 gaaaattcat ttgaggggct gccatttatg agaatggata tagaagctga ttgattgcaa 240
 gcattgatcc atttctcca tataggacag aacccattc tgaccatcat ataatccaga 300
 aagttccatg agacagagtc ataagccttt gcaaagtcca ctttaaacad cagagctggg 360
 ttcttacttc ttttagctta ctctattgct tcattgagaa tcaaagatcc atgaaggatg 420
 tgtctatcct ttatgaaagc tgtctgtctc tcatcaatga gtccaggcaa tatatttctt 480
 aacctattgg ccaggaatnt aacaatgatc ttata 515

<210> 12434
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12434

gttgtcatca tcaaatagtg gagaatgtga atgtatgtat acatgattnt gatgatgtca 60
 aagaagaatc taacaaggct gcttcaaagc ataagcattt gcttcaagaa taattcaaga 120
 ttgcttcaac aaacaaagcc ttgtttcaag attcactaaa gaccaagcct tgccctanaa 180
 caaagtgcct tcaagacatg caaggctctg gtaatcgatt accaggaagt gtaatcgatt 240
 accagaagac aggggtgaga aatagctggt gaaaaatggt ttgaatttga attttcaaca 300
 tgtaatcgat taccatatgt ctgtaatcga ttaccagcaa cgaaactttg gaaattcaaa 360
 ttcacaagtc ataacccttc acattataac tgtgtagatc gatacacaaa cattgtaatc 420
 gattaccagt ggaaagtctc agaagatctg caacagcaca tc 462

<210> 12435
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12435

caagactgta tcatgtgtcc tactaattta taaattacaa cgcgacttgt atatcagagg 60
 catgactgga atcagtacat gatatttaat attaaataga gtttaatcaa caatctcggt 120

ctataattac ttaaategat taatcaccca agttaattca catgcatttt taataacact 180
 aaaaactagg tacatagaat accaatatth ttgttcattt gaatgtgtcc atcctgtgag 240
 atgactattg gaggaatct taagcaatth ctctgtcaag atattgatgt gtgattatta 300
 atttattggc aagtgtatta attcgtctaa atagtattnt aaaataataa gatcgagtat 360
 taagtccaca aaaactntga ctgtactcan agtttgtata cgtctaattn taaacaatta 420
 atgaattaaa ttcaatattg gtcgaataat aatacagaat ggtaaattca acatacataa 480
 agataattaa gtagagcata ttaaagag 508

<210> 12436
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12436

ctacagcaga tgccactcta ttctaagttc ttgaaggata tgtaacaat gtaacataag 60
 tatattcacc aggaaaacat cgtagtggaa ggaaattgta gtgctgtgat tcaaaagatc 120
 cttocaccaa agcataaaga ccctgcgagt gtaactatth cttgttcaat tggagaagtc 180
 attatgggaa aggctcttat tgacctgnga gccaacatta atttaatgcc actctccatg 240
 tgcagaatgt tgggagagtt ggagatcatg cccactaaaa tgactttaca actggctgac 300
 cgctccatta ccagaccata tggagtaatt aaagatgtgc tgggtcaaagt gaaacattth 360
 atcttccoga cagactntgt ggtaatggat atctgtgaag atattgacat tcctgtaata 420
 ttgggaaagc cattcatgtt aactgcaagt ngcatagntg atatgggtag aaagaagctg 480
 gaaatggg 488

<210> 12437
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12437

gacattcgac ttaaattgta tgaccatttg aatttctcaa gagcttccgt tgttcaattc 60
 tgagcgtctc gttatgtgat ttgcctgaat cggacatccg tgtgacaagt tatgaccatt 120

tgtattttctc aagagcttcc gatgttcaat ttcgagcctc tcgacatatt atgcgcccga 180
atcggacatc cgtgtgaaaa gttatgacca tttgaatntc tcaagagctt ccgatgttca 240
atttcaagcc tctcgatata ttatgcgccc gaatcggaca tccgtgtgaa acagtatga 299

<210> 12438
<211> 442
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12438

agcttataat atattgatac gctcganatt aaatgtctga nactctcggg aaattcanat 60
agccataaat tttcacacgg atgtccgatt cgggcgtata atatgtcgag aggctcgaaa 120
ttgaacaatg gaagctcttg agaaatttaa atgggcataa cttttcacac ggatgtccga 180
ttcaggctta taatatatcg atacgctcga aattaaacat cggaaactct cgagagattc 240
aaatgggtcat aactcttcac acggatgtcc gattcgagcg cataatatgt cgagaggctc 300
gaaattgaac aacggaaact ctcgagaaaa tcanatggtc ataacttttc acacagatgt 360
ccgattcagg cttataatat atcgatacgc tcgaaataaa catcggaact ctcgagaatt 420
caatgtcata ctttcacacg at 442

<210> 12439
<211> 298
<212> DNA
<213> Glycine max
<400> 12439

gaagtagacc cggagatgga caagacaatc cgcagtattg tgagtagcat tctgaaagat 60
gcttctgtgc ctgatgctga gaaagatgtt ccaacatctt ccacccaag tggttccgtg 120
cctgatgctg agaaagatgt tccaacatcc tccgctccaa atgctgaagc cctcccttca 180
cccagtgaag aggaatcaac agaagaagag gatcaagcct cagaggagac tcctgcacca 240
cgggcaccag aaactgctcc aggtgacctc attgacctgg aagaagtcga atctgatg 298

<210> 12440
<211> 495
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12440

cgtccaatcc tctaatagga tcatctccat aaatataatc actttcatca ccatctccat 60
catcatcaat gccttcctca gattgtgcat catcatcagg ttccacgaaa attaaattat 120
ctagatcaag agcttaaaat agatatcaaa gatgttatat cagaaatagt taaaacttaa 180
aataatacac aagcacattn taaatttgag aaagttcata aattatacct tctcttggtg 240
ttattaaaat tgcattntat cttctctttt gcattttcca tctcatatat gaaaagtatt 300
cagtaacaag attgatccaa ctccaacatt gtagggtcag ttgggtgtgtt ttgtaataga 360
ctaataataa gtatgaacta tgaactatga gtttatcgtc atttgtttgg caaatgggtgc 420
attntaaata tatntactta ttattcatat nnttttttac gaagtagact cttaagagtc 480
tacgagtcga ctcgt 495

<210> 12441

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12441

aagagctaat tatctgaaaa cttatatacc tttattttaa ctatcttata aatgagncaa 60
aataacttat aagctgacta attaaaaaga cttaattata agttattgaà gtaacttact 120
aaacacatgt gtcgaattag tttatattaa gaaatatgat attctgttga tcattctgaa 180
gatcatttta agaattattat ttataagatn gaattttcaa ataacgcttc tttatggcaa 240
taatgaagaa ggggtgttaga tgaattcgag tataatatat ctttcccaca aacgtgtgct 300
aagatacata gttcaaacca taatataatg aagaatcaga atgactaata tataaattat 360
agccaactac catcagataa catttatttt gattagacaa tcttactata ccatcgaagt 420
ggtattcat 429

<210> 12442

<211> 402

<212> DNA

<213> Glycine max

<400> 12442

tgcatgacca agtttcttat gccataatca atgattttct ttgatagaca acaaatgcga 60
taccttttga tctgatattt caccacaactt gatcttataa cagttacctt tccttatagc 120
agaaaatagt agagactcat ccttggtctg gactacacac tcattctact taaaggaaac 180
atcatatcca ctgtcacata attggctaatt gcttagtaga ttgtgtttaa gaccttcaac 240
aaataatgca ttatcaatag agggataagg atgtgtacct atcttaccba ctcttattat 300
tttccctttt ttattccctt tgaaagtgc aattccacca tgatagcgag caggcattag 360
aacatacacc tttctcatgt catgtgccat gagcaaccac tc 402

<210> 12443

<211> 332

<212> DNA

<213> Glycine max

<400> 12443

ttttaggaca tgctggattt tataggcgat tcataaaata cttttcaaaa attgccaaac 60
cactcagtaa tttactgaac aaggatgttg tgtttgcatt taatgaagac tgcttggaag 120
cttttaatgt tcttttagacc aggctagtat ctaccctgt gattatagca ccacattggg 180
gacaagagtt tgaattgatt tgtgatgcta gtgactatgt cgtatgtgct atacttaggc 240
agagaaaagg cagagttttc cgtgccatct attatgccag cgaagtcttg aatgatgcac 300
aatcaatta tgctaccatc tagaaagaaa tg 332

<210> 12444

<211> 398

<212> DNA

<213> Glycine max

<400> 12444

tgccctgccc cttgatatat ttgagggact catggtcgct atgaatgaaa aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa gtcatacaac tacttatcat 120
aagttgaata gttaagtgtg ggaccactta acttttcact aaaataagca attggatggc 180
ctgcttgcac caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaaag 240
atttttgaaa atttggcaac gcaagtatgg aggcattagt tagcttttgc ttaagcatat 300

tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcac 360
 tgagaggtgc tgccaatgtg ctaaaatcct tcacaaat 398

<210> 12445
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 12445

agcttcaacc aagatgggat ggtccatttc aagtacttga aaggataaat gacaatgcgc 60
 acaagattga attgcccgat gagtataatg tgagtactac atttaatgtg tctgacttaa 120
 cgctttttga tgtagatgga gaagtcgatt tgaggacaaa tccttttgaa gagggagaga 180
 gtgatgagga caaggcaagg aataagggca aggaatcttt ataagaactt ggaggaccta 240
 tggcaagggc tagaacaaag aaggccaagg aagctcttca acaagtatta accatgctat 300
 ttgaatttag acccatgtta caagtggaga agcttcggat tgttaattgc acca 354

<210> 12446
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 12446

tgccatgaat tgtttcatgt gtactattat agaggctggc ataatcctgt cataaaacac 60
 aaccataaac taaaataagc atatgtgatc agtgtcaaaa taaaatgcaa ccatttacia 120
 aaccaatcaa gaaaataaga atagattatt acagctaacc aatcaacaag cctttcaggt 180
 agccatgctt gagattgctt gtccacataa aatatttcaa ttaactcca cgcagctttc 240
 aaagatgtag gctcttcacc tctctatatt atgtgtaatg tgttaaaaag caagtgatta 300
 acttctcggt atcataatc ccacaaagca gatctcagct cagctaaaca cgggtaaaca 360
 atttagaacc taaaacagta ccttagcaat tacat 395

<210> 12447
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 12447

tcaacattca acttcgagcg tctcgttata ttatacgact caattagaca tccgagtaaa 60
aagttattgt cgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtctcaatat 120
atgacgggac tcaatcagac atccgagtaa aaagatattg tcgtatgaat tggctcagag 180
cttctacatt caattttgag cgtctcgata tatgacggga ctcaatcagg catccgtgta 240
aaaagatatt gtcgtttgaa ttggctgaga gcttcaacat tcaatgtcga gcgtctcgat 300
atggttacggg actcaatcac acattcgagt taaaagttat tgcgttgaa ttggctcaga 360
ctttaacatt c 371

<210> 12448
<211> 397
<212> DNA
<213> Glycine max

<400> 12448
ttcaacatca gggttggggc agcagggaca tgaaggatc cattctattc caattctctc 60
cttttgtctt tttattagta ttttttttaa attgaactaa cattctatgc tcttaagttt 120
ggcttctttt catacttgta tataaatgta aggtgtccct ttcatacccc cttttgtggt 180
gcttggacat gcttgtgagt tttttgtttt ctttttctct ttttgataat ttgattggac 240
atgcttgtga gttttttgtt ttcttttctt ctttttgata atttgattga tgtgtgagca 300
atgatgggta ggaggggaga agaagtgtct gaattctgag ctatggcatg catgcacggg 360
ccccttggtg tccctaccaa ctgcagggac tcatgtg 397

<210> 12449
<211> 259
<212> DNA
<213> Glycine max

<400> 12449
agcttttgggaggatcaata agtgccttat gaatcctccc gtgcttatgc caccagtacc 60
tggaaggcct ctcatTTTgt acatgacaat cttggacgag tcaatgggggt gtatgctggg 120
gcaacatgac gaatccggaa agaaagagcg cgttgtttac tacctaagta agaagttcac 180
gacctgtgaa atgaattact ccttgctoga aagaacgtgt tgtgcttttag tatgggcatc 240
ccatcgccata aggcagtac 259

<210> 12450
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 12450

tgaaggcaaa ctggatgcgt tggtaactt ggtaaccag ctggccttga atcagaaatc 60
 tgtacctgtc gcaagggttt gtggcttgtg ctctctgtc gaccaccata cagacctttg 120
 cccttccatg cagcaacctc gagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
 cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcatatggt ccaaccctca 300
 gcaacaacaa caacagcctg ctcttctctt ccaaagtgt gctggcccaa gcagaccata 360
 cattctcca ccaatccaac aacagcaaca acccc 395

<210> 12451
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12451

agctttggag tnttttgtta caattcgnct tcttctttgg tccagtcttc ttctggcttc 60
 aattcatcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120
 acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccatcct tgctttccag 180
 tattcatagt tggttccatc taggattggg ggtctgttca ctggtcctcc ttctttctcc 240
 atgttcatca gaatttatct ccttagatct cactctgtga tttcgagtgt tggctctgat 300
 accaattgaa attctgatac caggggacag atgtcgtacc ggatgtcacg acatcatgct 360
 tcagaacatg c 371

<210> 12452
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 12452

agctttcgtg aaattgaatt ggtcataacc cttcacaccg atgtccgatt caggcgcata 60

atatatcgag aagctcgaaa ttgaacaacg gaagctctcg agaaattaaa attttcataa 120
 ctttccactc ggatgtccga ttcaagcaca tcacatatgg agacgctcga aattgaagca 180
 cggaagctct tgagaaattg aaattgtcat aacttttcac tcggatgtcc gattcaggca 240
 catcatatat tgagatgctc gaaattgaac aacggaag 278

<210> 12453
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 12453

tcagttcact acttcaagta gtgcatgata tgcttccaga ggaaaacatg ttgccaaaac 60
 attactatca ggtgaagaag atactgtgtt cgatgggtat agagtatcag aagattcatg 120
 catgtcctaa tgattggata ctatacatc atgagtttga agaaaggcac aaatgcccta 180
 ggtgtgggct atcgaggtac aaagtgaagg atgacgacaa gtgtaacagt gacgaaaact 240
 caaagaaatg gccccccggc aaaagggtgtt gtggtatctt ccgatcatgc caaggtttaa 300
 gcgtatgttt tctaattggag atgactcaaa agaccttaca tggcatgcag atgggagaaa 360
 cggatgatga atgctccacc atttggtga tt 392

<210> 12454
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 12454

tgccaaccca tggaagctcc taatatctcc cacacttttt ggggcgggcc attcttggat 60
 ggccttgatt ttctcagggt ccaattggag cccatttcta ccaactacaa accctaagaa 120
 aactatatta tctacacaaa aagtacactt ctctatattt gcttagaggg tgtttttcct 180
 aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
 atacaaacca aacttgggtc tgaaagcggg ttccactca tc 402

<210> 12455
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 12455

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cctattttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat tttcattaag 120
gcaatagact taaacatttg ggaatccata taagttagac cttatgtacc caccatgggtg 180
gctagaaatg caacaataga gaaacctata gaatagtcga ctgaagatga aagaagatta 240
gtgcagtaca atttaaaggc taaaaacatc attactttctg ccctatgaat ggatgaatat 300
tttatgggtt caaattgtat gagtgctaag gatatgtggg acactctaca aattacacat 360
gaggggaacaa ctgatgttaa acgatctatg ataa 394
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<210> 12456
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 12456

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ccctaactaa gttgactcgt aagaacgaga agtttgtctg gaatgagaag tgtgatcaaa 120
gtttccaaga gttgaagagg cggttgacga cagctccgat gtttaatttta cccgacccta 180
agagaccatt tgaagtgtat tgcgatgcaa gtgggcaagg cctgtgggtgt gtgttgatgc 240
aagaggggaag agtgggtggct tatgcttcat gtcaattacg tcctcatgaa gttaactacc 300
cgacccatga cttggaacta gcagcgggtg tctttgcctt aaagattagg aggcattatt 360
tgtacggtac tcgttttgaa gttttcagtg atca 394
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<210> 12457
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 12457

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aagttattgt cgtatgaatt ggcttaaagc ttaaacattc aactttgacc gtctcgatat 120
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aatacggggac tcaatcagac atccgagtaa aaagttattg tcgtttgagt tggctcagag 180
gttcaacatt caatttcgag cgtgccgata tattacgtca ctgaatcaga catccgagta 240
aaacgttatt gttgtttgaa ttggcctata gcttcaacat tcaatttcga gcgtgtcgat 300
atattacgag actcaatcgg acatccgagt aaaaagttat tgtcgttaga attgggtcaa 360
aggttaaaca tacaatttcg agcgtttcgt tatat 395

<210> 12458
<211> 363
<212> DNA
<213> Glycine max

<400> 12458

agctttgagc caattctatc tactataact ttttactcgg atgtccgatt gagtctagta 60
atatatcgac acgctcgaaa ttgaatgttg aagctctaag cctattcaaa caacaataac 120
gttttactcg gatgtccgat tcagtgcgt aatatatcgg gatgctcgaa attgaatgtt 180
gaacctctga gccaaactcaa acgacaataa tgttttactc ggatgtctga ttgagtccccg 240
aaatatattg agacgctcga aattgaatgt tgaagctctg agccattcaa acgacaataa 300
ctttttactt cgatgtgtga ttgagtccccg aatataatta gacgctagaa attgaatgtt 360
gaa 363

<210> 12459
<211> 369
<212> DNA
<213> Glycine max

<400> 12459

tgtcatactt gttccagaaa ggagaatata tgtttttgtt aatgtttgcg ccatgtcaaa 60
gtgccacaag gatactcttc aaatgttaag agccttgtgc agttcgaatt tctaaaatgg 120
cgatacaaga cattttacct aacaaagtca agcatgccat aactcgcttg tgctttttct 180
tcaatgccat atgtagcaaa gtcattgatc ctctcaaac gtatgagctg gaaaacaaga 240
ctgctattat cttgtgtcag atggagatgt attttctct ttcatttttt tgtcatcatg 300
gctcacttaa ttgttcattc tatgagggaa ataaatgtta tgggtccggt tatttgtggg 360
ggatgtacc 369

<210> 12460
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 12460

agcttagaac tcctcactta caagttgctt taaggatttt gagacatttg aagggatctc 60
 caggcttagg cctattctat tatgttgata atgacttgaa gatccaagtc ttctttgatt 120
 cagattgggc gatatgtcca gttagcagaa aatcaatcac tggttattgt atttttcttg 180
 gaaaatcctt gatctcttgg aaagctaaga aacaaaccac aatttctagg agttctactg 240
 aagttgtgta tagagttctt gcttctcttg cttgtgaatt atagtggctg aagtaccttt 300
 gtgatgatct tcattcttct attcttgctt ctttttgtac tttttctgat agtgagtctg 360
 caattta 367

<210> 12461
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 12461

tggaggaaga aggagatgaa tgaagggaga tgaagagaag agcacgaaat tttgtgctta 60
 aaaaagctcg gaaatctgaa gtttaatttt caaatgatca aagttgaaaa aatgcacaca 120
 catagtctct atttatagcc taagtgtcac acaaaattgg agggaaattt gaatttctat 180
 tcaaatttca cttgaatttg aaattgaatt tgtggagcca aattttggag acaaaatttc 240
 actaattatg attagtgaat tttagatatg gttcagccca ctaatccaag atcaagtcca 300
 agattctcca ctaagtgtgc ttatgtgtcg tgaggcatgt aaaacatgaa ggacatgcac 360
 aaagtgtgac tatatgatgt ggcaatgg 388

<210> 12462
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 12462

ttgaggattt tcaaacgaca ataacttttt actcggatgt ctgattgagt cccctaatat 60

atcgagacgc tctaaattga atgttgaagc tctcagcaaa ttcaaacgac aataactttt 120
tacttgaatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180
ctctcagcaa attcaaacga caataacttt tttactcaga tgtctgattg agtcccgaaa 240
tatatcgaga cgatcgaaat tgaattctga agttctgagc taattcaaac gacaataact 300
ttttactcga atgtctaatt gagtacccta atatatcgag acgctctaaa ttgaatgttg 360
aagctctcag c 371

<210> 12463
<211> 275
<212> DNA
<213> Glycine max

<400> 12463

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taaaaagtta tcgctgtttg aatttggtca gagcttcaac attcaattta cagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaattt attctcgttt caatttgctc 180
tgaggttcag aattgaattt cgagcgtcta gatataattac gggactcaat caaacgtctt 240
agtaaaaagt tattatcggt tgaattagct cagaa 275

<210> 12464
<211> 313
<212> DNA
<213> Glycine max

<400> 12464

agcttatgct gcaaacattt aatatagacc tcttcaacct cagcagcaaa atcaaccaca 60
gcagaacaat tatgacctct ccagcaacag atacaaccct agatggagga atcaccctaa 120
tctcagatgg tttagccctc aacaacaaca acaacagcct actccttctt tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caatagcagc agccccagaa 240
acagcaaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300
tatacagaac atg 313

<210> 12465
<211> 387

<212> DNA
 <213> Glycine max
 <400> 12465

tgtatcaaat tcaaacgaca ataagttttt tctcggatgt ccaatagagt cccgtaatat 60
 atcgagacgc tccaaattga aattggaagc tcgtatcaaa ttcaaacgac attaactttt 120
 gacttggatg tccgattgac tcccgtataa tatcgtgacg ctccaaattg aaaacagaag 180
 ctctaagaca attcaaacga caataacttt ttattcggat gttcgtattga gtcccgtaat 240
 atatcgagat gtcctatatt gaaaacggaa gtcgtatca aaagcaaacc acaataactt 300
 tttactcgga tgtccgattg agtcccataa tatatcgaga cgctcgaaat tgaaaacgga 360
 tgctcgtagc aaattgaaac cgcaata 387

<210> 12466
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 12466

tcttatccaa ggcacattct tgggtggtgaa gtccttctt ccttagctta ttccctagt 60
 gatggcgctt gctctctcct cttctccttt gtcttctgtt gcctctccat ggtggaaaat 120
 catcattgaa agacctcatt gaagctcaaa gatccagcct ccatagaagc tccagaagca 180
 agcttccatt aggaatgatg gttcttctct caatcaatca gcctaaaaat attgatgaag 240
 aattgagtga agattctaag gtgattgcta tggaagagga actaagtcag ttcattaata 300
 acaaggttgg aatctagttc ctctcctca gaatcagaca gtgattggaa ccaagtggat 360
 gttcaaaaac aagcttaatg aa 382

<210> 12467
 <211> 372
 <212> DNA
 <213> Glycine max
 <400> 12467

tataagagca tgtagaagca aatgactttt atgttttgat gatgatcatg atgatttgat 60
 gcaaatgatg caaatgcgct tttcaagttt aaattcaaga caatgattca agaatacaag 120
 acacaacatc aagatgatca ctattatttt aggaagggaa ttcctaattg atatagcaaa 180

aggtttggcc aagtaattta agttaaaaat gtttttcaag agatttactc tctggtaatc 240
gattaccaga ggatgtaatc gattaccagt ggccaaaaat ggtttacaat agctattaaa 300
aatttaaatt caaatTTtag attgtgtgat cgattacata atattggTta tCGattacca 360
gcagttaata aa 372

<210> 12468
<211> 178
<212> DNA
<213> Glycine max

<400> 12468

agcttctata gaaggTtctt tCctaatttc tctaaaattg cctcaccttt caatgagctg 60
gtgaagaaga atgtggcatt tacctaggtt gaaagacaag agcaagcctt tgctttgctc 120
aaagaaaatc ttactaaggg acctgttcta actcttccta gatttttctaa aacttttg 178

<210> 12469
<211> 364
<212> DNA
<213> Glycine max

<400> 12469

tttacgtaaa aaccaaactg atcgctggaa tgaggattgc caagaggctt ttggaaggat 60
caagaagtgt cttatgaatc cccctgtgct tatgccacca gtacctggaa ggcctctcat 120
cttgTcatg acaatcttag acgagtcaat ggggtgtatg ctggggcaac atgacgaatc 180
cggaaagaaa gagcgcgctg ttactacct aagtaagaag ttcacgacct gtgaaatgaa 240
ttactccttg ctgaaagaa cgtgttgtgc tttagtatgg gcatcccatc gcctaaggca 300
gtacatgctg agccatacta cctggTtgat atccaagatg gaccCGgtta agtacaTctt 360
tgaa 364

<210> 12470
<211> 389
<212> DNA
<213> Glycine max

<400> 12470

tgctaaccca tggaagctcc taatatctct cacacttttt ggggtgggcc attcttggat 60

ggccttgatt ttctcagggc ccacttggac cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatatatt gcataagagg tgtttttctt 180
aaggactgaa agaacttgtc tgagatgtcc taagtgaata tctaggtccc tactatacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtc tgaaagcag 389

<210> 12471
<211> 194
<212> DNA
<213> Glycine max

<400> 12471

agcttgtaat cgattacact catactgtaa tcgattacca gaggagtttt tcagaaaaca 60
ttctcaacag tcacatcttt ttatctgatt cttaagtggc catcaaaggc ttatatatat 120
gtgactagag acacgaattg aacaagagtt ttgaagaaca aaaaggtctt atcctcttaa 180
caagcaaaaat gttt 194

<210> 12472
<211> 230
<212> DNA
<213> Glycine max

<400> 12472

agcttgtaat tgattacaca catactgtaa tcgattacca gagaagattt tcagaaaata 60
ttctcaacag tcacatcttt tcattttggt cttaaagggc catcaaaggc ttatatatat 120
gtgacatgag acacgaattt gctaagtttt ttccagaaca aaaaggtctt atcctcttaa 180
caagcaaaaat tgttttatcc tcttacaat tccttggcca aaacactgtg 230

<210> 12473
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12473

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atgggtgtatc agaaaggcgt aatagaactt taatggacat ggtaggagat atgttaatca 120
atttgactat acccgtatct ttgtggatgt atgctttgaa aactgccatt tatttggtga 180
ataggattcc tagtaaggca gttccaaaga cacttttgaa tgtgtgacaa taggacactc 240
atataaggca ctcnctgttt ggggt 265

<210> 12474
<211> 266
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12474

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tttccaagggt ggaggggaatg atgcaatcct accccacaag gtcattggat agaagactcc 120
aagtagattg ggtagagat ccaagggaag gccctaggggt tctcatgagc cttagggttag 180
attttgagac ccatagctaa gtatgaagcc ttctttgttt ngaaaanac anatntgttt 240
tttctttttt tgggggtcgt gttttg 266

<210> 12475
<211> 399
<212> DNA
<213> Glycine max
<400> 12475

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tgcacctgtc gccagactct atggtttatg ctctctgtc gaccaccgca cagacctttg 120
cccttctgtg caacaatctg aagcaattga acagcctgaa gcttatgctg caaacatcta 180
caacagacct cctcaacctt agcagcaaaa tcagccacaa cagaacaatt atgacctctt 240
caccaacagg tacaatcccg ggtggaggaa tcateccaac catagatggg cgaatccttt 300
acaacagcag caacaacaac cttattttca aaatgttgct ggccaagca gaccatacgt 360
tcctccacca atccagcagc aacatcagca acagcacca 399

<210> 12476
<211> 371

<212> DNA
 <213> Glycine max
 <400> 12476

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 actaaaattc tgattatgcg tatgaaaaaa aaattttattg gaagaatcaa aacttatttt 120
 ggttatttct attcccctag atctagtctt atgatttttt attatggaca tagtttcttt 180
 tcgaaaaaaaa taatatattt aatttttatg tattattaat ttagtcacct taaaaagtta 240
 atatgattta atcaattaaa tactataaat ctataatagc tttgattttt aagaaaataa 300
 tcatgcaa atacaattt attttatatg ataatttgta attaaatatt aataatataa 360
 aatcccatg a 371

<210> 12477
 <211> 194
 <212> DNA
 <213> Glycine max

<400> 12477
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 acatgtcgag acgctcgaaa ttgaaaaatg gaagctcttg agcaattcaa atggtcataa 120
 attttcactc gtacgtccaa tacaggcgca taatatatcg agaggctcga aattgaacaa 180
 cggaagctct cgag 194

<210> 12478
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 12478
 tgccgccacg gagttttccg actattctct tgtgtggtgg aagtgattat gcaagttgaa 60
 gtggacgttt ccattgggaa atacaatgat aaggctactt gtgatgttgt tctatggag 120
 gccagtcaat tacttttggg gagaccatgg caatttgata aaagagccaa tcatgacggt 180
 tacaccaaca agatctcttt cattactttt ggtgttgcat aaaaaatgta caatgtaagt 240
 cggctaggtt tttttgtgcg agtcaaccg acattttgtt tcggccgaaa ctggcatgtt 300
 cccatttatt ttggccagga taacattatc ccacctcggc agaaaaatat ttgctattcc 360

acttcatgca tattttattc acggaat

387

<210> 12479
<211> 203
<212> DNA
<213> Glycine max

<400> 12479

agcttgaaat tgatctatgt atgctctcga caaattcgat tggtcataac ttttcacacg 60
gatgtctaata tttgggacct aatatacga gatgctcgaa attgaacaac ggaacctatc 120
gagaaattca aatgttcaaa acgtttcaca cggatttcg attttgggac ataataacc 180
gagatgctcg aaattgaaca acg 203

<210> 12480
<211> 366
<212> DNA
<213> Glycine max

<400> 12480

agcttgtaat cgattacact agtcttgtaa ttgattacct aaggagattt tcagaaaatt 60
atttccaaga gtcacatctg ttcaaatggt ttttacctgg ccatcaaagg tctatttata 120
tgtgactagg aacacaaatt tgctgagagt ttttttaaag aacaaaaagg tattattctc 180
tcaaaaagaa aaatcttctt atcctcttaa aaattccatg gccaatacac ttgcaattca 240
ataaggaatt ttttgagtgc tcaattgttc aatctatctc tttcaagaga gatttcttct 300
tctcttcac tttacttctaa aaagggatta agagaccgag ggtctcttat tgtaaagaaa 360
tctgaa 366

<210> 12481
<211> 309
<212> DNA
<213> Glycine max

<400> 12481

agctagcagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagttgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtagccat aactcgcttg tgctttttct 120
tccatgctat atgtagcaaa gtcattgatc ctatgaagtt tgatgagctg gaaaatgagg 180

ccgcaattat actgtgccag ttagagatgt attttcccc tactttcttt gacatcatga 240
 ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggctctgtt tatctacggt 300
 ggatgtacc 309

<210> 12482
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12482

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 tgtncgtata catgattntg atgatgtcaa agaaggatct aacaaggctg cttcaaataga 120
 tnagcatttg cttcaagaat gattcaaggt tgcttcaaca aacaaagcct tgttttnaaga 180
 ttcactaaaag accaagcctt gccttanaac aaagtgtctt cgagacaagc aaggctctgg 240
 taatcgatta ccaggaagtg taaacgatta ccagaagaca ggggttgagaa atagctattg 300
 aaaaatgttt tngaattgaa ttttcaacac gtaatcgatt accatatgtc tgtaatcgat 360
 taccagcaac ggaacttttg aaattcaaat tcaaaagtca taacccttca aanataattg 420
 tgaatcgata cacaaacatt gaatcgata 449

<210> 12483
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 12483

agcttccaag aatcaagatc aagactcaag attcaagaat caagagaaga attaatacaag 60
 ataagtatga aaaagttttt tcaaaaactg agtagcacat ggatttttct caaaacatgt 120
 ttaccaaaga gtttttactc tctggtaagc gattaccaga ttgttgtaat cgattaccag 180
 tagcaaaatg tttttgaaaa agttttcaac tgaatttaca acgttccaat tgatttcaaa 240
 aagctataat cgattacaat gttttggtta tcgattacca atgtgcttga acgttgaaat 300
 tcaaattcaa atgtgaagag tcacattctt tcacaagaaa agctttgtgt aatcgattac 360
 actgatttgg taatcgatta ccagtgatag tttctgaaca aatcataaga tgtcactc 418

<210> 12484
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 12484

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 tggatcaaat ggagaataca gaccatatga attgctcaag agcttccatt gttcaatttc 120
 gagcgtctag atatataatg cgccttaate cgacctacga gttaaaagtt atgaccattt 180
 gaaatgctca agagcttcca ttgttcaatt tccagcgtca cgatatatta tgcacctgaa 240
 tcggacctgc gagtgacaac ttatgacct ttgaattgct caagagctta cattgttcaa 300
 ttttgagcgt cagcatatat tatgcacctg aatctgacct gcgagcgaca acttatgacc 360
 atttgaattg ctcaagagct tccattg 387

<210> 12485
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12485

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 acctcttcct ctaaatcacc attaagaaag gttgttttca catccatttg ttgcaactca 120
 aggtcaaaaat gagcaactaa tgctaagata atacaaagag aatctttctt aaatatagga 180
 gaaaaagtct ctgtgtagtc gattcctttt ttttttagta aatcccttag caacgagtct 240
 ttccttgtat ctctcaatgt tgcctaata atccctttta gtcttaaatg taacatccca 300
 tttttcgtga attaaattaa aaagggttta gagttctaga aaaaaaatg atgaggcttt 360
 tgttattaaa taaataagaa gaaataacat tattaatata atggttcgaa ggaaaaataa 420
 aatgatattt gattattcat ttgatagaaa ataa 454

<210> 12486
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 12486

gcttcaacat tcaatttcga gcgtctcgat atatgacagg actcaatctg acatccgagt 60
 aaaaagtat tgccgtttga attggctcag agcttcaaca ttcaatttcg agcgtctcga 120
 tatatgacag gactcaatca gacatccgag taaaaagtta ttggctcgttg aatttgctca 180
 gagcttcaac attcaatttc gagcgtgtcg atatattacg ggcttcaatc agacatccga 240
 gtaaaaagtt attgtcgttt gaattggctc agagcttcca cattcaattt cgagcgtctc 300
 gatataattac gggactcaat cagacatccg agtaaaaag 339

<210> 12487
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12487

agctcgtctt aaatntacat tgatgtttgt atttatgtga ggaggttgta cgccattttt 60
 gttttaagag tagtgtccca ctggtaaaac taactttcca aatttttgcc ttgcgaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc cgaaggaact 180
 agttccgctc cggagtatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc 240
 gaggccatca agggatggtc gtttctccgg gagcgacgcg tccagctcag ggacgacgag 300
 tatactgatt tccaggagga aatagctcta cggagtttta aaagattggc taagattntg 360
 ttaaaacata agcacttaga caatgaagga aagctggagt tgctgcacat gatg 414

<210> 12488
 <211> 439
 <212> DNA
 <213> Glycine max
 <400> 12488

cgcaagcttc aacattcaat ttgagcgtct cgttttatta cgggactcaa tcagacatcc 60
 gagtaaaaat ttattgtcgt ttggattggc tcagagattc aacattcaat ttcgagcgct 120
 tcaatatatt acgggactca ttcagacttc cgagtaaaaa gttattgtcg tttgaattag 180
 cttagagctt caacaatcaa tttcgagcgt ctggttatat cacgggactc aatcagacat 240
 ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca atttcgagcg 300

tctcgatata tgacaggact caatcagaca tccgagaaaa aagttattgt cgtttgaatt 360
 tgctcagagg ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac 420
 atccgagtaa aaagatatt 439

<210> 12489
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12489

tacgtgaact ataaaactaa gcttaagcta gaggagacgg accattccaa gtgttgagaga 60
 agattnacga caatgcctac aagattgact tgcctaggta gtataatgta agtgccactt 120
 tcaangtgct tgacctctct cttcccgatg nagatggagg agccttgat ttgaggaaaa 180
 atccttttca agaaggagg agtgagtagg acacaactaa ggacaaggac catgaagcac 240
 ttgaagcgcc catgaccaga ggcagactta aacaggccca acacatatta gagacaaggc 300
 tggccatttg tatagctgcc attgatgatg gttaaaggcc caagtggaga aagatgaagg 360
 cccagaggca gagccactac caagactatt aattgttgct gaaggccan actaatttat 420
 aagcccaagt taaatatatt tttagttata at 452

<210> 12490
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12490

agcttatgct gcanatattt acaatagacc ttctcaacct cagcagcaaa atcaaccaca 60
 gcagagcaat tatgaccttt ccagcaacag atacaacct ggatggagga atcacctaa 120
 cctcagatgg cccagccctc agcaacaaca acagcagcct gctccttct tccaaaatgc 180
 tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
 acagccaaca gttgaggccc ctccataacc tttcctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc agcaagagac caaagcctcc atttagagct taaccaatca 360
 gatgggacaa ttagctacct aattgaatca acaacagtcc cagaattctg acaagctgcc 420

ttctcaagct ggtctaaaat ccaaaaatgt ca

452

<210> 12491
<211> 200
<212> DNA
<213> Glycine max

<400> 12491

agcttacaca caagaccata ctccctctgc gtctcaaacc caggagggtg ctccatataa 60
atatcctcct caagatcacc atggaggaag acatttttaa tatcaagctg atggaggggc 120
cagtgatgta tggcagccat agcaagaaac agacgaacaa tagtgatttt ggctacagga 180
gaaaaagtat cacaataatc 200

<210> 12492
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12492

agcttcacat tctagacaag gtcaagttca ttgcgtctgc tacaaagtct acaaccaaca 60
gaataatgaa caagttctaa gtaacagaaa caagtgcatt atgtatagtg ttaaacaat 120
agagacattg acaccgagtc taacctgcat cttctttggg gaaacacaag ggaggtgtaa 180
ttctgaagac atttccatag taaccacctt taccaataag tactcctagt tctatagtaa 240
tttagaatga ccggttagta ataatataga agaaaactat agctaggatc aaaatatgtg 300
tctagactag agggatatgg attttacctt tcatnnggtc cattacatgc aatgtttcat 360
tttttgctgg agttttaagt tcacgatcag tgacaagttc aactcctagc a 411

<210> 12493
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12493

ttatccatga cttcctatgg tggtcagctt gtgcttgact cttcttctcc ttgaagtgc 60
anctccaatc atctttcttc cttctccatt ccgntaccat tgacctccac cacacaccgc 120

cctccatcga tgaccaagat ccaagggcta caagctccac atggagctac atcaaatctt 180
ctaagtgtt gacttgtctt tgtgcaagac tcttcatgtt attttggtt tctctttcta 240
tcatttgtt tttggcatca tcaaaatcta caacattaca tataaccaca atcactagca 300
ccgttaccac cacctccatc atcattgcca ccaccatcgt aaccaacatc accactacta 360
ctgacattgg taccaccacc ataacca 387

<210> 12494
<211> 370
<212> DNA
<213> Glycine max

<400> 12494

caatgtggaa aacaaagtaa gatcgcgaga tcagatagag gtggggagta ctatggtaga 60
tacacagagg atggacacac accaggttca tttgcgagat ttcttcatga acatgggatt 120
gttgcccaat acactatgcc tggttctccg gatcagaatg gtgtggcaga acgaagaaat 180
cgaaccttat tagacatggg gagaagcatg aggagtaatg taaagcttcc tcacattttg 240
tggattgatg ctcttaagac ggctgcgtat atattaaacc gagttccaac caaggctgtc 300
tcaaagacac cttttgaatt attcaaggga tggaaaccaa gtttgcgaca tatacgcgtt 360
tggggatgcc 370

<210> 12495
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12495

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tgaagtggca tctccaacca tctttcttcc ttctccattc cactgtcatt gatcttcaag 120
aagcaaaaga ctccattgat gaagaagatc caaggcctac aagctccata tggagctatg 180
tcaattacta aataaaaactt attaaaaaca tattcggttc agaacaaggc cgtcaaagtt 240
tacaaaagaa attttggtta atcaatgaga tgaaataaaa taaaataaca acatgcaatt 300
aaaagaaaaa ttcatcctca atgttgcac ctatcagagc attgtgtcct aacatcctct 360
agcacgaggt tctttaaagt catctaccta gtcactgtct cccatgaaca caagattcga 420

gatcatcaca agatccanac acaaataaca cacagggagt gaattatcac a 471

<210> 12496
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12496

agcttccgcg gatgaatttg tctagagtaa attcttcatt ntatttatca tgtcgtgggg 60
atcgaggggaa aaacgctcag aaactaatgg cccactacca ctaggaaatg aagtacatgc 120
tttatcagca ttaatatatt gttggtgttc attacaaaaa actaaataat aaaagggaaa 180
ttaattntaa tcatatctca accaaaagag aatcaaatag gaatttagga gataatataa 240
taaaggtggt ttaggtcaaa tgctttagat ttctataaaa taatttttta tatattctta 300
aataaaaagat atttctgaaa tattaaataa atctgaatcc aatataatat ttatttaaaa 360
aatgttctat gttgattatt ttatttactt ttaagatttc taactcgtca caactcataa 420
atcctaataa taaaattaag actgaaatat aat 453

<210> 12497
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12497

ttaagtcacc tgangetgca gctaagctcc ttcaactgca caaagctctt aatatttgaa 60
gagtatcctt gtggaacctt tactcgacga agacactgac aaaaacttat cttctccttc 120
ttggacaaaag tatggcaggt tgggggcaag taaattttct tcccatcaga ctttggtatgc 180
aactgtgatc gtatacccat atcagctaga tcttgacggg tattcaagcc atccttcgtc 240
ttgccttgaa tgtaaggag cgtcctaac acactgtcac aaacattttt ctccacatgc 300
ataacatcaa tacaatgtct aatgtcaaga tcacaccagt atggaagatc aaagaanatg 360
gacctcttct tccatatgca actctgactt ttatccttct tttgggtctt cctaaataca 420
gtattcaggt gctgaacctg ctgatatacc tactcact 458

<210> 12498
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12498

tggaagaact aaacttgaga aattgcaatc ctatgagggtt gttgatggat aacaaatcan 60
 caattgattt agctaagcat cctgtggcac ntggcaggag taaacatatt gaaaccacat 120
 ttcatttcct acgtgatcaa gtgcataagg agaaacttga attggatttt ttgaggctctg 180
 aagatcaagt tgcagacata atgatgcaat cctaccccg c aaggcattgg atagaaaaac 240
 tccaagtaga ttggggccaga gatgcaagag aaggccctag gcttcttatg agccttaggg 300
 tagatttcgg gcccataggc taagtacgaa cccgcttata tttgtaaata ttagattaag 360
 gtttcattat ttttgggcct tgtatttagg gctccataat gtangtagcg gaccctagaa 420
 atatangatt tttcagccct tgtattttt 448

<210> 12499
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12499

agctttgtag tcctctntga tcaaagggtc atatattata attctcaggc cataataggg 60
 atgatagaaa tagatctaaa ccaaatagtc tccctaattt atattgcccc taattacaca 120
 atgaatctta atgatttcat acaaaacata aacctagaag tccaggcaat aggggtttgga 180
 agaaactttg agggacataa cttacacttg gatattacct tcattggcag aataagtgat 240
 caaatatccc ctagatacat gataaacact aatccattag tgacaacctt atcatctgat 300
 ggaatccaat ttttgccacc cgaaatcttt gattcctcta gaaacaaaa caatcaatgg 360
 caaaaacata tagatgctgg atcctctagg atggcaataa ccattcgtgg atcagctata 420
 ataacaaaca gaagagatag tcttttta 447

<210> 12500
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12500

agctntgtag cagatgccac tctactctaa attttngaaa gatatgttaa caaggaagca 60
taaatatatt gatcaggaaa acatcatagt ggaaggaaat tgcagtgctg tgatccaaaa 120
gatccttcca cccaagcata aagatcctgg aagtgttaact attccttggt caattggaga 180
agtcaatggt ggaaaagctc ttattgacct gngagccagc atcaatttga tgccactctc 240
catgtgcaga agattgggag agttggaaat aatgcccact cgaatgactt tacaattagc 300
tgaccgctcc attactaggc catatggagt aattgaagat gtgttgggtca gagtaaaaca 360
ttttatcttc ccggcagact ntgtggtaat ggatatctct aaagatactg a 411

<210> 12501
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12501

agcttcaaca ttcaattntg agcgtctcga tatatgacga gactacatca tacatccgag 60
taaaaagtta tagtcgtttg aatttgctca gagcttcaac attcaatttc gagcatctcg 120
ctatattacg ggactcaatc agacatccga gtaaaaagtt tgttggttga attggctgag 180
agcctcaaca ttcaatttcg agcgtctcga tatattaagg gactcaatca gacatccgag 240
taaaaagtta tggtcgtttg aatttgctca gagcatctac attgaattgc gagcgtctcg 300
atatattacg ggactcaatc agacatccga gtaaatagtt attgtcgtcg gagtatgctc 360
agaggttcaa cattcaattt cgagcgtctc gatatatattac 400

<210> 12502
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12502

ntcactcgga ggccncattc aggcgcataa tatatcgaga cgctcgaaan tgncaacgga 60
agctatcgag aaattcaaatt ggtctatact tctaactcgg aggtcctata gaggtgcata 120

atatatctag acgctcacaa ttttacaatg gaagctctnt ggctntacaa atggtcataa 180
cttttcactc gagcgtccga ttaaggcgca taatatatcg agacgctcaa aagtgaacaa 240
tggaagctct tgagcaattc aaatgggtcat aactngtcac tcggaggtcc gattcaggcg 300
cataatatat cgtgaccgct gaaattgaac aatggaagct cttga 345

<210> 12503
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12503

tcagctgctt ctcaactcnn tgcttctcaa tgccccacca agaaaaccat gattatgncg 60
ggccaagaca tttatagtag ccaagatgag gttactactt cacctttcta tagtgacagt 120
gaagaagcaa aagggaaaga atntagtgaa gaaatctacc cccaagaaga agggaaacctt 180
ttaatggtca gaaggcttct aggaggccaa tctagtgact tgaactaatc tcaaagagng 240
aatatttttc acacaagggtg taaaattttt tataacatgt gctctctcat tgtagatggt 300
ggttcatggt gcaattggtg tacnacaaga ttagtctcta agttaagcct tgctatcact 360
cccatccaa agccttacaa acctcaatgg ctcaatgaac aaggagaaat gatagtcaat 420
caacaagtga aagtgtcatt ctc 443

<210> 12504
<211> 417
<212> DNA
<213> Glycine max
<400> 12504

agcttataat atattgatat gctcgaaatt atacattgta agctctcgag aaattcaaatt 60
ggtcataact tttcacacgg atgtccgatt cgggcaaate acatatcgag acgctcataa 120
ctaaacaacg gaagctatag agaaattcta atgggtcaaaa cttttcacac ggatgtccga 180
ttcaggcgaa ttacatatcg agacgctcaa aattgaacaa cagaagctct cgagaaattc 240
aaatgggtcat aacatttaac tcgaatgtcc aatttaggcg catcacatat agtgacactc 300
gaaattgaac aacggaagct ctcgatgaaat tcaaatgggtc ataacttttc aactgaggt 360
ccgaatcagg cttataatat atcgatatgc ctcgaaataa acatcggaat ctctcgc 417

<210> 12505
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12505

agctntaagt aaaaaggaag catgaaccat gatagcttaa gaatcccgaa tctaattgtcc 60
 atgctcantt ttttaagactc caccaaaaaca tgaaacactt ggattttccca acggactgcc 120
 atttttaagg cttgcttttc aaagttcaaa ttaataaaat ggtaaatagt cactttttata 180
 tctgaatgtg tagtttacta acaaattgtgt ccctganaga tgaaaataca aaatttagtt 240
 cccaaaatgg taaaaagtgt gaaaaatata tctgactctt aacttccgtc catcaccatt 300
 aataaaaatag tatacgtgac acaaatgaat gaatttatca ctgaaatgat tgtcaacgtg 360
 attatctcta ctttntgtct tcccactctc tangaatatg aatgagtaaa tagtcacttt 420
 tgtccatgaa tatgtaattc gctaacaaat gtgt 454

<210> 12506
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 12506

gacactatag aatctaagct tgacaggaat tacttgtatg gttggatggt taattctggt 60
 tgttctctggt gcggagatga tggtagacgg ggtgaaccag aagcggaagt ttcttttgggt 120
 gaggtagcca tggaaaagca gagcgttttg aatgatttcg taaatctcag aaaactattg 180
 ggaaatgctg gtgaaaacac gaatgccaag cagatataaa tttgaatgaa gaatgtagag 240
 gggcgtgtga agcaacggtc gaatttgctt tgtggtgaac gtgctattaa tgttaagtga 300
 ttcgtttggg cacgttcaga ttgctgtagt tgctataatt cctctagcaa acaaatgccc 360
 agcttgcccc tcagttttcc aaactgattt gca 393

<210> 12507
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 12507

ctgcagctct tggatgctac ttttatactt tcagatcata atgcatcctc caaacaagga 60
gaaaatggca ttcattcattg cagatgccaa cttttgctat aggaacatgc catttgacct 120
caaaaacata ggcgcgacat atcaacgact aatagaccga gtcttcaaag aacagatcag 180
acgaaaaatt gaggtatatg tggacgacat gggtgtcaag tctcaaagca taccctaaca 240
tctggtggac ctggaagaag tatttgggaa ctatgcaaat acgacatgtg cctcaaccct 300
gaaatatact tttggggtag gtggcgacaa gttcctcggc ttcattgatca cacatc 356

<210> 12508

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12508

tatacggcct angatgtggt tttgtgactg ttttcaattt aaacacaagt cttttacttg 60
ccacattggt acaactccct ccatcaatga tcaccatgca aactttgccca ttgatcaaac 120
atctagtgtg gaaaatgttt tctctttgac tttcctccat agacttcaat tgatgaccaa 180
gtaaccgcct aatcatcaac aattctccct ccagtgtttt ctccacttcc tctcatcat 240
cctcactctc ttctcccttt tcaacttcag actcattaat gtactctcca tctctaagaa 300
tcatggcttt cttgttaggg cactcatatg cataatgtcc caagccttgg caccaaaagc 360
acttcacatc ctggctcttt tttt 384

<210> 12509

<211> 216

<212> DNA

<213> Glycine max

<400> 12509

cttgatttat acgtatgata tattctgctt gcgactaatg ataagggtat actatatgag 60
gtgaaacaat ttctctcaaa gaactttgat atgaaggata tgggagaggc atcttatgtc 120
ataggcataa agatccatat agaaagatct cgatgcattt tacgctcgtc tcaagaaacc 180
tatatcaaca aagtcttaga gagaattaat atgaaa 216

<210> 12510
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12510

ataactcgga tgtccgantic tggcgacaaa ttgatcgaga cacttgatat tgaataacag 60
 aagctctcga gaaattcgaa tggctctaac ttttcacacg gatgtccgat tcgggcgcat 120
 aatatgtcga gacgctcgaa attgaacaac ggaagctctc gagaaattcc aatggacata 180
 acttttctact cggaggaccg attcaggcgc ataatatatc gagacgctcg aaattgaaca 240
 acggaagctc cggagaaatt caaatggta taacttttaa ctcagaggtc cgattcaggc 300
 gcataatata tcgagacgct cgaaattgaa catcgaaagc tctctagaaa ttcaaattgga 360
 cataactttt cactt 375

<210> 12511
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12511

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 gtcatttctt cattcagctn tgaagagaat atcatggatc actgtatata ccagaaggtc 120
 agtgggagta agatttggtt ccttggtatta tacgtagatg atattctgct tgcgactaat 180
 gataagggta tactatatga ggtgaaacaa tttctctcaa agaactttga tatgaaggat 240
 atgggagagg catcttatgt cataggcata aagatccata gagaaagatc tcgaggcatt 300
 ttaggcttgt ctcaagaaac ctatatcaac aaagtttttag agagatttaa tatgaaagat 360
 tgtttaccaa gtgtagctcc cattgtgaag ggtgacaaac ttgctntgag tcaatgcccc 420
 aaaaatgatt ntgagcggga aaacatgaaa aatattccat atgcttcagc agttggaagc 480
 ct 482

<210> 12512
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12512

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atctttattc aatttttatg aagggtcaatc gatacagtaa attggtatac cacagccatc 120
agagaactag tttcagaaat tctctaaaag ctggtgcttt aattagatag atgctgccaa 180
acgggtgtttt attgcccaaa tgaaaaattc tttattacta gtaaagtaga actgatatat 240
cattttctgaa tttgttatgg cagcttcata cttttccaga aggaaaagtg tatcaagaag 300
atgtgcctat aangcgggtg aaatggggaa ctgctagcct aattgttcga gcacctataa 360
ctccaatt 368

<210> 12513
<211> 344
<212> DNA
<213> Glycine max
<400> 12513

gcgcttcaac atgatgactg acaagtatgg cataaaccct ggtatcaatc attattcttg 60
tatggctgat catcttggtc gtaaaggaca tctcaaagaa gctttagaaa ttattaaaag 120
tatgccttct gaacctgatt ctggaatacg gagtgcattg ctctctgctt gcaaacttca 180
tggttaagatg gagatgggca agcatgtgtc tgaacagcta tataaactgg agccccaagt 240
ggcacgttcc atacgaggag atggctaaca tatatgcac agctgaaatg tgggaaggca 300
ttgcagctat tataagaaat atgatatatc ttcaagtcac gaaa 344

<210> 12514
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12514

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ccctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata cacctttggt 120
tggttctcta ttttgttctt aaccctctca tgcaacttct ttacaaattt tgacctagat 180
tcccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacagtgtt 240

aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct atgaaccccc 300
 ctgttgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgcctttc 360
 agaagagccc ttaanagggt ggataaaaaac ctattcacta cctctgtttg cccatcagtt 420
 tgtggatgac aagtgggt 437

<210> 12515
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 12515

agcttctata gaagggttgt tcctaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt taactggggt gaaaaacaag agcaagcatt tgatttgctc 120
 aaacaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtggtagtt ggagctgtat tgttacaagg tgggcaccct 240
 attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
 gagctttatg ccttaataag agccctacaa acttggaac attaccttgt ttccaaggaa 360
 tttgtcattc atagtgatca tcaatcactt aagtacatta gagggcaaag caagttaaac 420
 aagaggcatg caaatgggt agagtac 447

<210> 12516
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 12516

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 caagccttgt tgaggctgggt gtagtctacg cacatcctac atttcttagt tgctttcttc 120
 accacgatga cggttggttag ccaagttttg tgggccactt ctctaataa tttacaacc 180
 aaaagtttct cggtttccac ctcaattggt ttccctcctt cgtctctcag tttgcgcttc 240
 ctctgagcta tgggtttatc cttaggaag attgccaaact tatggaaaat gaagtcaggg 300
 tcgatgcctg acatgtcaga agcactccat tcaaacaagt cggcattgtc aaagagcgct 360
 tgagttatct ccttttgcac ttctgtctcc atctctt 397

<210> 12517
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12517

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 cacttgaata agcttgatct cacaattctt aacagcctca cgaacaacat ggaaatcact 180
 agaatatgct atgtctttcc atgctaaaca ggattttcag caatgacaat tgcttattta 240
 ctgtcacaat aaatctcagt agcgtccatc ttctccactc ccaaatacaa cataattttc 300
 ttcaacaaaa tggcttagtt agttgctgca gctgctgcta catattcactc ttcagcagta 360
 gatngagata caatgtcctg cttatttgag ttccaagaga acatgtgtga gcctaacgaa 420
 ataacatatt cagtagtgct 440

<210> 12518
 <211> 437
 <212> DNA
 <213> Glycine max

 <400> 12518

agcttaatag ctcgtataact gatcataatc tcaaagctta aaacacactc gagcaagtac 60
 tagtcaacac acttactgaa catacactta ctacaatgca taaagtataa aaaataaata 120
 cacttgaata agcttgatct cacaattctt aacagcctca cgaacaacat ggaaatcact 180
 tgaatatgct ttgtctttcc atgctaaaca ggattttcag caatgacaat tgcttattta 240
 ctgtcacaat aaatctcagt agcgtccatc ttctccactc ccaaatacaa cataattttc 300
 ttcaacaaaa tggcttagtt tggctgctgca gctgctgcta catattcagc ttcagcagta 360
 gattgagtta caatgtcctg cttatttgag ttccaagaga acatgtgtga gcctaaggaa 420
 aaaacatatt cagtagt 437

<210> 12519
 <211> 411
 <212> DNA

<213> Glycine max

<400> 12519

agcttaggaa tcaatagcag tttggtgttt ttagttttta tgtataataa tttcactggt 60
accctcccac caaatctttg ttttggaaag cacctgggtca ggctgaatat ggggtggcaat 120
caattttattg gcagcatacc tcttgatgta ggaagggtga caactcttac aagggttgaga 180
cttgaagata ataatttaac tgggggcactt cctgattttg aaactaatcc aaacctctct 240
tacatgagca tcaacaacaa caatatcagt ggagcaattc catcaagttt gggaaaactgc 300
acaaatctct ctctttttaga tttgtccatg aacagcttga cgggtcttgt accttcagag 360
ctaggaaacc ttgtgaatct tcagactttg gatctttctc acaataactt g 411

<210> 12520

<211> 423

<212> DNA

<213> Glycine max

<400> 12520

agctataata tattattaca ctccaattat atcatcagaa gctctcgaga aattcaaatg 60
gtcataaactt ttcacccgga tgtccgatta tggcgaatca catatcgaga cgctcaaaat 120
tgaacaacgg aagctcttga gaaattctaa tggtcataac ttttaactcg gatgtccgat 180
tcaggcgcac cacatataga ggcgctcgaa aaggaacaac ggaagctctc gagaaattca 240
aatggtcata actttccaca ctgagggtccg attaaggatt ataatatatc aagacgctcg 300
aaattaaaca tcgaaagctc tcgagaaatt caattgggtca tcacttttca cacggatgtc 360
cgattcgggc gcataatatg tcgacacgct cgaaattgaa caacggaagc tctcgagaaa 420
ttc 423

<210> 12521

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12521

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tcgtaatagt cgcacgacgt ttgatttcaa taaatctcct tttacatggt ttttaaactct 120

tttaatcaat atctatnttta taaaatcaca atcgtccatt tcatgttttag tgcaatttgt 180
 gtgaatttac ttttaataaca aataacatca ctatnttttg actgaaaaac aaacacacaa 240
 acaccttctc ataattcact aggtcagggg taaagatttt tagatatcaa aagaatacag 300
 gcttatagat ggaattgctt ggagccaaat atatatatat atatatatta ttggaaattt 360
 ctctataatt aaggttgggt cacattcaag taaacatgca agttcaaata catgagaaat 420
 tgaagagtac a 431

<210> 12522
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12522

agctntcttc aatcgtcaat acgggtgtta tgtttgagaa atcttcaatg cctagtatat 60
 attgtattct ttccatgttt caattggatg aagctcgtct ctttctcacg gataggacat 120
 gcatgatgtc ctttgacact atatccactc aaattctcat atgctggaaa gtcattaatg 180
 gtacaaatga tcaattgtct tccattgggg agaatcagcc agatgtcaga gcaatccatc 240
 acttttttct gccatatgca tcatgttcat tagcaaacaa tcgcttaaac cttggaatta 300
 ttgaaagata ctagcacacc tttgctggac gatcattggt tgtggttgca tcatcactac 360
 atttgcac cttcattntg taccacgata cccacatgt atggaacttg cacantttcg 420
 gcaactaatt tctatacaat atgcaatcat tatg 454

<210> 12523
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12523

agcttcatga tggtgaatca atattgattc ttgagttttg atgataacaa agatgatgac 60
 aaaaagccca agagaatgag ttcaagattg aatcaagaac acttcaagaa tcaagagaga 120
 atgagtttca agatttaagt tgaagattca agaatcaaga aaagactcaa tcaagataag 180
 tactaaaaag tttttcaaaa cattgagtag cacatgaatt tttcacaaaa cttttacca 240

aagagttttt actctctggt aatcgattac cagtagcaaa aattgttttc aaaaagcttt 300
 caactgaatt tacaatgttc caattgattt caaaatgggtg taatcgaata caatgatttg 360
 gtaatcgatt accagtgtgg ttgaacgttg aaattcaaat tcaaagtga agagtcacat 420
 cctttcacan aaatg 435

<210> 12524
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12524

agcttgaaac tgaacaacgg cgctctcaga attttatggc ttataannca ttagatgtcc 60
 gatgcgggga aataatatat cgagacgcac gaaattgaac aacggaagct ctcgagaaat 120
 tcgaatgggtc ataacatttc actcggatgt tcgatccggg gacataattt atcgagacgc 180
 tcgaaattga acaaccgaag ctctcgacaa attagaatgg tcgtaacttt tcacgcgaat 240
 gttcgattcg gggacataac tcatctagac gtcgaaatt gaacaactga agctctcgag 300
 aaatttgaat ggtcataagt ttccacacgg atgtccgatt cgggaacata atatatcaag 360
 acaatcgaaa ttgaac 376

<210> 12525
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12525

tctttccatg cctcaatcgg atgaagctcg tctctttctc acggatagga catgcatgat 60
 gtcctttgac actatatcca ctcaaatact catatgctgg aaagtcatta atggtacaaa 120
 tgatcaattg tcttccatcg gggagaatca gccagatgtc agagcaatcc atcacttntt 180
 tctgccatat gcatcatgnt cattagcaaa caatcgctta aaccttggaa ttattgaaag 240
 atactagcac accnttgctg gacgatcatt ggttggtggg gcatcatcac tacatttgctc 300
 acccttcatt ttgtaccacg ataccccaca tgtagggaac tcgcacattt ccgcaaacta 360
 attnctatac aatatgcgat cat 383

<210> 12526
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12526

tttacattct ggaatcggtt atcctatctc tgacagccaa tggatgagtc ctgtccaggt 60
 agtcccgaag aaaaccggtc tcaccgtgat aaaaaaatga gaaggatgag ttgattccta 120
 ctcgggtgca gaacagttgg agagtatgca tcgactatag gaggtgaac caggttacca 180
 aaaaggacca ttttccactg ccattaattg gccagatgct tgaacgcctg gtaggtaaat 240
 ctccactactg tttccttgat ggtttttctg gttatatgca aatcactatt gtcctgaga 300
 atcangaaaa gaccacattc acctgccctc tcggcacttt tgcctatagg aggatgcctt 360
 tcggcctat 369

<210> 12527
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12527

tttagaaaat gtcaatgcct attgtatact atttttcttc catgtttcaa ttgtacatgg 60
 cttgtgtctt cttcatatat agagcatgca tgatggccct taacactata tccactcaaa 120
 ttctcgtatg ctggaaagtc attaatggtc cgaaatagca ttgcacgcaa cttaaagtgc 180
 ttattttgat accatcaaac acagtaaccc ccttgtccca caactttgct aagtcttcaa 240
 tcaagggact gagataaata tcaatgtcct ttcctagtgt tcttgggctt gatcatcatca 300
 tagataacat catgcatttt tgcttcatgc acaaccaagg agacaagttt taaattacta 360
 gcanaatang ccatgaact 379

<210> 12528
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12528

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tggatacatc cactgtaaaa aaatgggatt acataactga atctccctca ccaaagcac 120
aattaagtga accataatgt caaaaaatgg tggaggaaaa tacatctcca attgacaaag 180
gacaatggca gtctcattct ccaaatcatc caattgtcga gggatcaatgg ctttggttaga 240
gatagcatta aaaacaaagt acaaacgatt tattgcaacc ctaactttgt caggcaagat 300
accgcgaatc gctacatgca atagttattg cattaacaca tgagaatcat gagacttcaa 360
gccaaccaat tntagatcat taatggatac aaggctcttg atatttgaag agta 414

<210> 12529

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12529

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tggatatcaa tcccttttaa ctttgaaatg accacttttt cttttatttt aattatgttt 120
atttttggta tacgttttga tgcattggat acatgcctcg aaatacaagg ctaaaaccct 180
atactactag aatggccaaa atacaaggcc caaacgaagg aaaaacctat tctaataatt 240
acaaagataa gcgggctcat acttagccca tgggctcgaa atctacccta aggctcatga 300
gaaccctagg gccttccctt gaatctctgg cccaatctac ttggagtctt ctatccaatg 360
cccttgc 367

<210> 12530

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12530

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accacttcaa ctcatcttca aacacagccc agttaaaatg cttcacaacg aagttaacaa 120
agtcttcatt gtcaatgttc attctactga tgcattgtcc aattgggaaa tcattctgtg 180

tttgtataac ttttaccgag gtgttagcat agctgccaga gtccagtcca gagaatttca 240
 ggataacatc acgtttacta atctgcagtg cagcaagtac gtataaatta aaatatatat 300
 aaaaataatg caaatcatct catattctat caatgaagaa tggatcatgt aatattaaga 360
 taaggcacag aagtctgaaa catacttagc ttcatgcaac attta 405

<210> 12531
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12531

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 atagacctcc aatctttaat ggagagggtt accactactg gaaaaccoga atgcaaattt 120
 ttattgaggc aatagatcta aatatctggg aagccataga aatagggcct tatataccca 180
 ccatagtaga aagagtttca atagatggta gttcatcaag tgaaagcata accatagaaa 240
 aacctagaga tagatgggtct gaagaggata gaaaacgagt acaatacaac ttataagcca 300
 aaaacataat aacatctgcc ctgngaattg atgaatatct canggtatca aattgtaaga 360
 gtgctaagga gatgtgggac actcttcgat taacacatga aggaactaca gatgttaaaa 420
 gatctagaat atatgcacta act 443

<210> 12532
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 12532

tgggtggctaa ttcatggcat taatgctcca atacttcaaa atattgccct taagctactt 60
 gcgcaacctt gttcatcttc ttgttgtgaa aggaattgga gtacatatcc atttatccat 120
 tctttaaaga gaaacaagat ggcaccacat agagttgaag atttagtatt tgttcatagc 180
 aacctacgac ttctctcaag gaatactcca caatatcatc aagaggaaac taaaatgtgg 240
 gatgtagctg gagatgattt tgggtcactt gatgattgtg gtattcttga aattgttagt 300
 ttgtcttttag atgaaccaga gttagagggt gtctttttca atgatgattg ctagtttgtg 360
 gaattcttga agacttgaag ttgctaatt 388

<210> 12533
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12533

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 catttgcatt attgggaata gtaaatttga gaatgccatg ctagatctag gagatcagtt 120
 agtgtcatgc ctctgtccat tttcaattct ttatcccttg gacctttgca atctacagat 180
 gtggtgattc atttggcaga tagaagtgtt gcttaccctg cagggtttcat agaggatgtg 240
 ctggttcggg ttggtgaact tatttttcct gttggatttt atgttcttaa tatggaaaag 300
 ggagttttcc catggttcaa ttccaattat tttaggtagg ccatntatga aaacagcccg 360
 aaccaagata gatgttatgc tagccattgc tatagaaatt gtgatattgt tgtcatttaa 420
 cattttgatg catgaacatc c 441

<210> 12534
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12534

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 cctcatggct tctttgagct tgtggtaac gatgcatatt ctccagccag tgaaagtcct 120
 tgttgggatt aggtcattct tttcatcctg aatgattttc gtgccccctt tctttgttac 180
 cacctggatt gggcttacct aagtactatc agaaatgggg tagataatcc aagcctctag 240
 aagcttgagc acctcttctt tcattgatgg gttaaggctt ctcttgggct gtctgactgg 300
 tttgtaatct tccgccatca ttatgttggt catatagtag acagggttga ttcttttgag 360
 atctgatatg tgccacctta ttgctcactg tcaatgtaca tcccccttctt ggtgaagatg 420
 tccttcatga atttggcgt 439

<210> 12535
 <211> 363

<212> DNA
 <213> Glycine max
 <400> 12535

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 gtgcctcttg agtcatcttt ccagaaagtt ccagatgtg tatatacgtc aacaagttta 120
 tatgagtatc gaggatggaa ctcaaaagct gccaatccta cacaccgtcg gcttacttgg 180
 ggccttagac tgctggaagt aagtactga ctatcttttc tgggttagtt attatggaat 240
 ttaatacttt actctgacat cttttgtaca attttacttc tattattgcc cccaagagcg 300
 tggcagtga ggacatgctt cttctgatta aatttcaagt tgaatttatt gttctgaatt 360
 aat 363

<210> 12536
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12536

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 tgttgttggg gtctttgggt aaagtgaag atgcaaaaga agtggtgaca acacctcttc 120
 tcaaaaaccc tttgcaacct tctttttact atctttctct tgaagctatc tctgttgggg 180
 acactcgatt gtccattgag aagtccactt ttgaagtng ggatgatggg aatgggtggg 240
 tgatcataga ctctggcacc acaatcacct acgttcaaca aaaggcctat gaggcactca 300
 aaanagagtt catttctcat accanacttg ctttgacaaa actagctcaa caggggtgga 360
 tctatgtttc tccttgccat canggtcaac acaagt 396

<210> 12537
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12537

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 atcaatatat ccatttaggg aaacactctt tacatccatt tgggtacaact taaaattcat 120

tattcaagca taagcaagaa gtaaccttac aacctctaata ctagctaccg gtgcatatgt 180
ctcatcaaag tctataccat cttgtgggtt ataacctttg gctacaaggt gagccttgaa 240
aacctatttt cctagttata acactatttt catcaagctt gttctttaaaa acctattttag 300
ttcctatgat gttcaagtta ttagtacttg ttatcaattc ccatacatca ttccttttta 360
attgatntaa ctcatcatgc atagacataa tccanaactc atctttttaat gcatcatcaa 420
aaattaaggg ttcaacttaa gacacaaaag ccatatgttc acaaaacaaa cttaaagagt 480
gtctagtaga tactctcttc tcaatatca 509

<210> 12538
<211> 475
<212> DNA
<213> Glycine max

<400> 12538

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tatcttgaga gacttgcggtg ggatattaaa gataagtcac ttggtacagt gtcaatacac 120
gtttcaggaa agaattgttc atgatcttca acattgttag tcttttctt gttgtaggaa 180
actaatcct ttccttagac taaacacaac attcttcttt tataatgaat ataacataat 240
attctattat tgacttatat tgtgttaaag atggaaggat ctcaagagta agtctttatt 300
atagtaactt tcagggaaaa ctcatcgag ttactcaatt tcatataata tttcacattg 360
ttttataatg gaacatcata tttgtactc taaacaatca attaactttt actctactaa 420
gagactatgg totcaataga tccacatata ttatataata tttattatat tctat 475

<210> 12539
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12539

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ctnttaaatt aaaaaggtgt aagtttctac atctaaacct ttggaacttt tacacttgga 120
cttgcttggc ccctctagaa ctatgagttt gagagttgac tattatgctc ttgtcattgt 180

tgatgattac tcaagattta cgtggacttt ttttcttgct ttaaaaagtg ttgcttttaa 240
agctttcaag aaacttgcaa aagttattca aaatgaaaaa gatttgacaa ttaagacctt 300
gagaagtgat catagagggtg aattccacaa tgaagatttt aaaacttttt gtgaagaana 360
tgggatttca cgtgattntt ctgctactag aacttcacaa c 401

<210> 12540
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12540

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tatggcatca tttctggcgc taaactgctg ggagttggaa gccatcttct caattaaatt 120
tctggcttca gcaggagtca tgtctccaag ggctccacca ctggcagcat ctatcatact 180
tctctccata ttactgagtc cttcataaaa atattggaga agaagctggt ctgaaatctg 240
atggtggggg caactggcac atagtttctt aaatctctcc cagtactcat acaggctctc 300
tccactgagt tgtctaatac ctgagatata cttcctgatg gctgtggtcc tggaagcann 360
ggaaaattnt tctaagaata ctctct 386

<210> 12541
<211> 351
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12541

agctagccac aagaatatct aggatgcttt gcttcattga atgaaagcag tgagagcagt 60
gagtgtgtgg tggaacatca acatgggtgct agttttcata atgaggtgga aacagttaat 120
gagtccaaga agagcaaggg gcatgagtc ccaatttgcc taaaggtttt tccatgtggc 180
caagccttgg gtggccataa gagatctcat atggttggtg ggtctaagag tagaagcttt 240
caaacaattg tgcttcanga accagtggca gaaattaggg acttccttga tcttaatctt 300
cttgctgcta ctaaggaaga aagcaatagc catgctgact ctaacagtaa c 351

<210> 12542

<211> 196
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12542

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 aaatggacaa agcggatctc acctgtctt cactcagcaa ccatctctat ccttattaat 120
 ggcagcccta caaaggagtt taccccatct agaggcttga ggcaagggga tcccctancc 180
 cctctactct ttaaca 196

<210> 12543
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12543

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 ttgcgcccta ccgacagtcc tccgccaaag gggatccctc gaccaatgtg aaattggctc 120
 gccgctatta tggcccatct caggtcacgg ctaagatagg accagtagca tatcgtgtga 180
 actttccggc aggtgtacgc attcaccggc tgtttccactg ctccaacctc aaaccttttc 240
 ggggcgagcc cggatccact cctgcaattc ctttaccacc caatttccat gagaatcagc 300
 cgcttatatt tccccttgcc attctgggat ctgcgcgcgc aacagctgag cctcacaacc 360
 cttggcaggt tttggtacaa tggcaggggc tctcacc 397

<210> 12544
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12544

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 cgaccgctcc agtgctagtt ttgcctaacc cgagagaacc ctttgagggtg tattgtgatg 120
 catcanagat gggtttatgc ggagtgttga tgcaaaatga ccaagtgggtg gcctatgctt 180
 ctagacaact taagactcat gagaaggaat atcccaccca tgatctaaag ttggttgctg 240

agtttttggc ttaagaattg aagacatatc tgtttggtc taagttcgaa gtgttttagtg 300
atcataagag ccttaaatac ttgttttagtc 330

<210> 12545
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12545

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ggatagaaga ctccaagtag attgtgccag agatccaagg gaaggcccta gggttctcat 120
gagccttang gtagatttcg agcccatggg ctaagtatga gcccgcttat ctttgtaaatt 180
attaggatag gtttttcctt tgtttggtcc ttgtattttg gccattctag tagtataagg 240
ttttagcctt gtatttcgag gcattatgag tagtctttgt agtagagaat tttttgtatt 300
ttcatgtatt ttgtcatggg ggtgagctta gctattatag ggggtgtgta gctaagctct 360
accttctcat ctcaaggagg tgagcttagc tattagagag gtgtgtgtag ttaagctcta 420
gcttc 425

<210> 12546
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12546

atcctctgag tcacctgccg catgcaagct ngctcgtctt tctgatatnt atcatgcata 60
ttnttctgat gatgaccgat tgtcaattag ggatcaactt gaaacttatg tgcttcaagt 120
gagaagaaat gcttcttttt ccacttgtga agatgttcaa agtttggtcta tgaagatggg 180
tcaaactgag aaacatttgg tatttccatt gggttataaa cttattgagc tagctttgat 240
attgtcggty tcgacagcat ccgttgaaag agctctttca gcaatgaaga ttatcaagtc 300
taaattgcgc aataagatca acgatgtgtg gttcaatgac ttgatggtat gttacaccga 360
gcgggagata ttcaagtcac ttgatgatat tgatattatt cgaacattta ccgcanagaa 420
gtctcggana ggacacttgc ctcgtaattt tatttaaccc gctatggtaa gaaatatgtt 480

atctctttat tttaaactat atttttg

507

<210> 12547

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12547

tctataatat tgcacttaca tgcgatgatt cttagtattg tccaaggtat ataattttgt 60
tagctcaaaa taacctttat caaactcata taaccataaa tgtgactgcc aagtaaattt 120
aagcaatggt ttaattagat gtattttgat taaccgtaaa caatacatg ttaaaagtcg 180
cgttttatgc actattaaaa catattntgt aaagtatgcg tctgatgtgg tagataataa 240
aaaanaataa agtagtgtct atcaattatt atttttaaaa aaatactttc ttgagtctct 300
tttatttaat tatattgtta atttaagaat aaatacagtg acagttaana aaccatccct 360
attcgtaaaa ttgacctttt gaacttgtaa cttaacattg ttgtgaactc caatggatga 420
aaatatataa ta 432

<210> 12548

<211> 510

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12548

gcatgtcgaa cggtannaaa ttgaatgttt gggtttaagt tntcaattat aaaaaaatg 60
cttgaacctt tattgtttac gcttgcattt ctcttactg agttctcttt cttcttgagt 120
gtgagcttct gcttgtgctt gctttgtgct ccttggttca aatttggtgc ttccttcctt 180
caagtgtgtg cccttaccct tcctttctag tgagtgttta taaaataaat aaaatgtata 240
tattctgtta ataaatatta taagttaaag ttacttagta ttaacaaata ttttaagtta 300
gttagtatgt aaatagtacg ttagttacta ttaacaaaaa ttctaaattt aagttagtta 360
gtatcggtag gtattgtgtt gatatttctt acgtattaat agatatatca atgttagatt 420
agttactata aaaatattat ttggttggtt agaatgacaa tttattgagt tatcgtatgt 480
attgtcagac attatatgtg tgatatatat 510

<210> 12549
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12549

tggactgata cacttggtgc ccaagtttca tagtcttgca ggtgaagacc ctcataaaca 60
 tctgaaagaa ttccatattg tctactccac catgaaacct tcagatgtcc acgaagatca 120
 catctttcta aaggcctttc ctcattcttt agaggggagt gcaaaggact ggctatatta 180
 ccttgctcca aggtccatca caagctggga tgacctcaag agagtattct taganaaaat 240
 tttccctgct tccaagacca cggccatcag aaaggatatn tcaggcatta ggcaactcag 300
 tggagagagc ctatatgaat actggggaga gattaanaaa ctatgcgcca gttgccctca 360
 ccccccnnat ttgagtaact tctctctata ttttatg 397

<210> 12550
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12550

gcttcaccac caaaagagtg tcttgataa gtatcttaca gaggaagctt attgaaggan 60
 aagaatgaga aagatagagt gatgcaatcc taccacctaa gggcattgga tagaagactc 120
 caagaagatt gggccagaga tgcagagaa ggcctacgg gtctcatgag ccttaaggta 180
 gatttcatgc ccatgacatg ggctaagtat gaactcactt atctttggat attagattaa 240
 gggatcatta ttattggccc ttgcattcag ggctccataa tatatgtagg gtaccct 297

<210> 12551
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 12551

cttgatgatg atggcacaca taatattata tgtcatatat tctgcgtatc aggtgtgctc 60
 ttaatgtaga attttaggct actaagcttt caccttatca attattataa ttataactgc 120

gtaacccttt ctttcgaact tttggcaatg tcaacctgtg ctggtagagc aagatcacga 180
 caaaacagag aatcggaat catgaaaacg taatgcacga actcaggta atccaaaccc 240
 tgatccagtt ggcactgtcg agccttcaac gacaagtact acttcctaata atagactca 300
 agactaatat gtatctggag ttccaacata ttg 333

<210> 12552
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12552

agcttcagaa tactttttcg agcgtctcaa tatattactg gactcagtca gacatccgag 60
 caaaacgtta ttgtcgtttg gattaactca gagcttcaga attcaatttc gatcgtctcg 120
 atatattacg ggtctcaatc agacatctga ggaaataagt tattgtcggt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
 gagttaaag ttattgttgt ttgaatttgc tgagagcttc aacattcaat ttcgagcgtc 300
 tcgatattnt acgggactca at 322

<210> 12553
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12553

agctntntag caattcatat ggtcataacg tttcactcgg atgtcggatt caagcgcata 60
 atatatcgag acgctcgaaa ttgaataatg gaagctattg agcaattcca atggtcataa 120
 cttttaactc ggaagtccga ttgaggcaca taatatattg agacgctcga aattgaacaa 180
 cggaagctct cgagaaattc aaatgggtcat aacttttaac tcggagggtcg gattgagacg 240
 cataatatat cgagacgtc gaaattgaac aatggaagct cttgagcaat tccaatggtc 300
 ataactntta actcggaggt ccgattcagg cgcataatat ctcgagacgt tcgaaattga 360
 acaatggaag ctcttgagca attcaaatgg tcataacttt tcaactc 406

<210> 12554
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12554

ctaccttcaa tgggtgcaatc atgatgactn tgatgaagtc ccattggtgt agtgggtgtct 60
 atatattctg aacaaaactc aatagcttcc tcagcaacgt atctttcaac aatgctagcc 120
 tcttgtcgat atatcaattt tttgtatatc ctttcaagac cttcatgtaa cgttcaactg 180
 gatacatcaa gcgtaaaaaac acaggccac acaaccgaat ctcacgtaca agatgaacaa 240
 ttaagtgaac catgatgtca aaaaacgatg gaggaaaata catttctaatt tcacacagga 300
 taatggctgc ctcatt 315

<210> 12555
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12555

agcttaagat atctctntat ggacttaaac attctccgat gcaatggtat ggtagactta 60
 gaaacttcct tcttgaacaa aaatttgaga gaggaaaagt tgataaaaca catttcatta 120
 aaaagttctc tcataacatt ntactcatgt aagtttatat ggatgacatc atttttgggtt 180
 ctactaatcg atctctttgt gaagattttg tacacaagat gcaggaggag tttgaaatgc 240
 caataatggg ggggggggatt aaattacttt cttggtctct atgtgaagaa aattgaccat 300
 ggaacatttc tctatcaaac atagtattgc aaagaacttc tcaagaagnt taagatggac 360
 aaaagcaagg aggatgaaac tcctatggct actaattgct accttagtgc agatgaaaat 420
 g 421

<210> 12556
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12556

atggtcataa cttttcacgt gaatgtcctt ttcgggcgca taanatgncg agaagcgcgga 60
aattgaacaa cagaagctct tgagaaattc atatgggcat aagctttcac acggatgtcc 120
gactcaggct tataatatat cgacacgctc gaaattgaac atccgaatct ctgcgaaaat 180
ttatatgggc ataacttttc aactgatgt ccaattcgcg cgcataatat gtcgagagggc 240
tcgagattga acaacggaag ctctcgagaa attcacatgg tcataacttt tcacatggat 300
gttccaatcg ggcgcat 317

<210> 12557
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12557

agttggaagc catcttctca atcaaattct ttatccttag cagcagagac atatcaccaa 60
gggctccacc actggcagca tcaatcatat tcctctccat gttgctaagt cctcataga 120
aatattgaag aaggagttgc tcataaatct ggtggtgagg gcaacttgca cacaatttct 180
tgaatctttc ccattactca tgcaagctct ctccactaag ttgtctgatg cctgaaatgt 240
ctnttctgat ggcagtggtc ctagtagcaa ggaagaattt ctccaagaac accctct 297

<210> 12558
<211> 115
<212> DNA
<213> Glycine max
<400> 12558

tagacataac tattcacacg gatgtccgat tcgggcgcat aatatgtcga gaggctcgaa 60
attgaacaac ggatgctctt gataaattca actggtataa cttttcacac ggata 115

<210> 12559
<211> 358
<212> DNA
<213> Glycine max
<400> 12559

tgtagggtta aagtctcacg attgtcacgt gttgatgcat caattgttag tcgtggctat 60
acgagacctc ttgccaaaca aagtcagggt agccataact cgctgtgct ttttcttcca 120

tgccatatgt agcaaagtca ttgatcctgt caagtttgat gagctggaaa ataaggccgc 180
aattatactg tgccagttgg agatgtattt tccccctgcc ttccttgaca tcatcattca 240
cttgattgtg catctcatca gagaaatcaa atgtttgtgt cctgtttatt tgtgatatat 300
gtactcggta gagcgataca tgaagatctt aaaaaggat acgaagaatc tatatagt 358

<210> 12560
<211> 361
<212> DNA
<213> Glycine max

<400> 12560

tcacttaagg taagggggat tttccactt cttgatcctt aacctttttg tctagcaaaa 60
tttatgtata aaacaagttt aaggctcttt gtaggattaa agttactttg gatatgttgg 120
atcaagtggc ctctgaataa ttaagaaggg gggttgaatt aattattact gaacctttac 180
taattaaana tgtacccttc ttaggctttt actataatgt taagaaagta aataacagaa 240
atggaaactt aaccaaagt aaaagcaata attaaagtgc acaacggaaa ataaagagtg 300
tagggaagaa gaagacaaac acaagagttt tatactgggt cggcaacaac ccgtgcctac 360
a 361

<210> 12561
<211> 372
<212> DNA
<213> Glycine max

<400> 12561

agcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatatct tgacttcata ttttttgag 180
gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc tttcatttgc tcaccaagca ttctgacttt 300
gtgaagttta cattgaatcc ttcacacac aactgactga tgetgatcaa gtttgcagtc 360
agttccttca cc 372

<210> 12562
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 12562

agcttgctaa cccatggaat ctctaataat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gattttctca ggggtccactt ggacccatt tctaccaact acaaacccta 120
 agaaaactat attatctaca caaaaagtac atttctctat atttacctag aggggtgtttt 180
 tcctaaggac tgaaagaact tgcttgagat gtcctaagt atcatctagg cttctactgt 240
 aactaaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag ccttataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
 attcatacaa accaaacttg gtcttgaaag g 391

<210> 12563
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 12563

agcttctaga tgagttatgt ttgttattcg gacatcctgt gaaaagtgat gaccatttga 60
 atttctcgag tgcttccgtt gtttaatttc aagcgtctcg atatttatgt cctcaaatca 120
 aacatcggag cgaaatgtta tgaccattcg aatttgctga gagcttccgt ttttcaattt 180
 cgagcgtcta gatgagttat gtcaccgaat cagacatctg agtgaaacgt tatgaccatt 240
 cgaatgtgtc gagagcttcc gttgctcaat tttcagcgtt tagatgagtt atgtcaccga 300
 atcggacatc tcggtaaaaa gttatgacca ttcggctttg tcgagagctt ccgttgctca 360
 ttttcgaccg tcttgatata ttat 384

<210> 12564
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 12564

ttcagtaact ttcttatttt atgtctttta tgcacgatac cacattgcct gatcaggctt 60
 tatgaagggt atatgtcttc taagactgaa aaaagcaggc tgcccaaagc aacagaagag 120

acaagttaga ctagaaactc ggatgaaaat ccattaaaat ttgcaggagt tgcaataaca 180
 tgtctaataga atgtttatat caaacaacca catggaactg tattagcaat gtccaacatt 240
 caggaaaatt aataaccaa tacctttcca tctcccaatg atggggttga gattatgtca 300
 gaaagatgaa tacgatcagt gtacactgat ctaatcccat tgttagatat tggacttgaa 360
 ccagag 366

<210> 12565
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 12565

agcttcagcc tttgatgatg tattaccgaa aagagaaaga gaggggtgat gagattcgaa 60
 ggctcaagaa gaaaagagaa gagcttcttt ttgctttaca agaggctgag agaagatatg 120
 atctggctag agctgcagac ctgcgatatg gagcaattca agagggtgaa actgcaatac 180
 aacaacttga agggagcact gaagagaatc tgatgttgac tgaaactgtt ggaccggagc 240
 aaatagctga gggtgtgagc cgctggaccg gtataccagt tacaaggctt ggccaaaatg 300
 aaaaagaaaag attgattgga cttggtgaca gattgcacag cagagttgta ggacaagacc 360
 aagctggtaa tgctgttgct g 381

<210> 12566
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 12566

agcttctcga tatatTTTTT tgtctgaatc agacatctga gtgaaattta tgaccatttg 60
 aatttctcga gagcaattgt tgcccaattt cgtgcgtctg gatataattat tcccctgaat 120
 cggacatctg agtgaaaagt tatgaccatt tgaatttctc gagagcttcc gtttatcaat 180
 ttcgagcatc tatatatatt atttcccga atctgacatt cgtgtgaaaa gttatgacca 240
 tttaaatttc ttgagagctt ccattgttca atgtcaagcg ttctgatatg ttatgcgcct 300
 aaatcggaca tccgagtga aagtcaggac aatttgaatt tctagagagc tt 352

<210> 12567
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 12567

agcttctggt acacttgagt atcagaccaa acaaaataac ctcttgagc caaaactcga 60
 ttcaattcca aaagcaacat gccacctgga aaagagtttc acatttctaa gtaactatgg 120
 ttaacacaaa gctaagccat tatgaagatt caatatgaat tgaaaaatcc aaattcgaga 180
 gaagtgttag taagaccaac catctagatg ccaagggtact ctacaacgtg cacaatgtac 240
 aagatcaaag acactgctgg gaaatggtag cttttgagaa cccatgacag cagatatggc 300
 aggaatccct ctttcaagag caaattgcac ttgtgcttca tgttcatctt taggtgcaaa 360
 agacattgca ataacatctc tt 382

<210> 12568
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12568

tatagtcatt acttggtgag aaccataatc taaagnngtt tgttcctttg atatagtaaa 60
 taatttgttt tgtggccttg agatgagtag tggttggagt ctccatgtat tgactgatga 120
 gtcgagtacc atatagaatg tctgggtcttg tggacgtcaa atatcacaaa ctaccaccca 180
 aactcttgaa atttgtagca cccatctttt ttgcttgcgc aaactttgat aacttcattt 240
 tgcactccac cggatttcca attggcttgc atagttttgc tatgaaatga agattcaatc 300
 ttctttttgc tttacctcaa taccaagata gtatgacatt agtccaatat cggtcattctt 360
 gaactccttg ac 372

<210> 12569
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 12569

tcaagcttgc tcacccatgg aagctcctaa tatcttccac actttttggg gtgggccatt 60

cttggatggc cttgattttc tcatgggtcca cttggacccc atttctacca actacaaaac 120
ctaagaaaac tatattatct acacaaaagg tacacttctc tatatttgca tagaggggtgt 180
ttttcctaag gactgaaaga acttgtctga catgtcctaa gtgatcatct aggctcctac 240
tatacactaa aatatcatca aaataaacia ctacaaatct acctatgaaa tccottaaga 300
catgatgcat aagcctcata aaagtgcttg gtgcatcact gagcccaaaa ggcatcacta 360
gccattcata caaacca 377

<210> 12570
<211> 357
<212> DNA
<213> Glycine max

<400> 12570

tgcctcaaag aggtccagga aggacaatth tgccgaatta tactagttcc gctccggagt 60
atgacaatca ccgcttttagg agcgtgttac accagcagcg cttecgaggcc atcaagggat 120
ggctcgtttct ccggggagcga cgcgtccagc tcaggggacga cgagtatact gatttccagg 180
aggaaatagt gaaattctga tacagaggtc agatgtcgta ccagatgtca cgacatcacg 240
cttcagaaca tggagattat atttgactgt atgaacatat taaacaagta aataacacaa 300
gagaattggt aaccagttc ggtgcaacgt cacctacatc tggggggtac caagcca 357

<210> 12571
<211> 284
<212> DNA
<213> Glycine max

<400> 12571

agctttcgtg aaattgttat gtcataaccc ttcacacgga tgtgcgattt aggcgcataa 60
tatatcgaga cgctcgaaat tgaacagcgg aagctctcga gaaattaaaa tggtcataag 120
ttatcacacg gaggtccgat acaggaacat cacatatcga gatgctcgaa attgaacaac 180
cgaagctttc gtgaaattga aatggtcata acccttcaca cggatgtccg attcaggcgc 240
ataatatatt atagaactct tgaactgaac cgaggacttt tttt 284

<210> 12572
<211> 350
<212> DNA

<213> Glycine max

<400> 12572

tatgctgcat acatctacaa ttgaccactt taacctcagc agcaaaatca gccacaacaa 60
aataattatg acctctccag caacaggtac aatcctaggt ggaggaatca tcccaacctt 120
agatgggtcga atccttcaca acagtagtag caacaacaac agccttattt tcaaaatgct 180
gctggccgaa gcaaaccata cgttcctcca ccaatccagc agcaacaata gtaacaaccc 240
cagaaacaac aaacagttga ggctcctcgg caaccttccc ttgaagaact tgtgaggcaa 300
atgactatgc aaaacatgca gtttcaacaa gagaccagag cctccattca 350

<210> 12573

<211> 346

<212> DNA

<213> Glycine max

<400> 12573

tgcaactgcc ttagtggaca atcttcctta aaacgttgaa gccaccattg atgtccctta 60
tgatgtcggt cagtatctca aaaaagccta cgatgatttg gaagaaccct tgacctgttt 120
tctcaaactt tccaaagttg attggcattt ctatgaccca tatatgttac agttacaaaa 180
aagggtcaaa gagaaaacca aatgggtgtg aatagtaagc cccgggttggg caccatagtt 240
gaaggatttg agccacaagg cagttgggtg ggttttgact cactctgggt ggacctctgt 300
ggtggagggt gtttagaatg aaaaacctct attttggttaa tgtttc 346

<210> 12574

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12574

agcttgaaga ctacagngag taaaattctc atcttttggg acaataaaat tgttatcagt 60
ctttcaaaaa atccgaaatt gcattctgga gaaaaatata tagaaattaa acatcattgt 120
ataagaaatc atgttcaaaa tgggagagtg gacttgcagt ttgtgcccac tgattatcag 180
ctttttgaca tctttacaaa acgattaact gaggaagggt tgattttggt aagaagtcaa 240
cttggaatga tctttattaa tgatttattt aatctctata tgtcatccat tgttgcattc 300

aaggatatat cgtccactag acttaaacac acactcataa cattcaataa atggacaaca 360
tatcatgcat taattntttt tttttat 387

<210> 12575
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12575

agcttgtaag ccttggatct tcttcatcaa tggagtcctt tgcttcttga agatgaatgt 60
cagcataatg aagaaggaag aaagatgatt ggagatgcct cttcaaggag aagatgagtc 120
aaaaagaaac tcaccaccat agaaagccat ggataagagt ttgaaggtag gagaagatgt 180
gtggagggag agggagagaa ggagcatgaa attttgtgcc tcaaatagaga tctgaacttt 240
gaagtgtaat tctaaaatga tcaaatttga acaaatgcac acacatggcc tttattttata 300
gcttaagtgt cacacaaaat tggaggggaaa tttgaatttc tattcaaatt tcacttgaat 360
ntgaaattga att 373

<210> 12576
<211> 384
<212> DNA
<213> Glycine max

<400> 12576

agcttagatc aaaagataat tactttgaaa ttattatata tacagcaaca gctaccaggt 60
ctcaacattg catggcacca ggcaggttca gcatacaaaa tatgctgcaa acaccctgat 120
ctccacatga attgaatgtt agaacacata tagttgtgta ggagtccagg gaactaagca 180
attctattct agttatctct atccttgtgt tgttcattat cttcaaaca gtcctctggg 240
gggtcgtaga tgatcatacc tgggaaaatc tctaagaagt cgtcgtcttt tattttctct 300
cttaattctg gataggggaat gagccctttt aatatcacgc gaaaaggcaa tgaaagggga 360
ggctcaagag actgtctcat ttct 384

<210> 12577
<211> 374
<212> DNA

<213> Glycine max

<400> 12577

gaatcctcaa gcttgccatc gattacacat atactataat cttttaccag atcagatttt 60
cagaaaaatat tctcaacagt cacatctttt tatttggttc ttgaatggct atcaaaggcc 120
tatatatatg tgacttgaga cacgaatttg ctaagagttt ttcagaacaa aaaggtctta 180
tcctcttaaa aagcaaaatc gttttatcct cttaaaaatt ccttggccaa aacacttggtg 240
attcaataag gaattatttg agtgctcaaa ttgttcaatc tatctctttc aagagagatt 300
acttcttctc ttcttcttta ttctgaaaaa ggattaagag accgagggtt tcttgttgta 360
aagaaatctg aaca 374

<210> 12578

<211> 356

<212> DNA

<213> Glycine max

<400> 12578

agggctcaat tttcttaatc agtttgtata atagcttcac ctttttggca tgttttggga 60
ggaacttgga catggatgct agcctgccat tcaacttata aacttcttgg atgtaatttg 120
ggttgcgcat ctctagtatg gcagtgcatt tgtcgggggtt ggcttcaatc ccccgatgtg 180
tgatcatgaa gtcagggaac ttgtctttgc ctaccccaaa agtacatttc cctgggttga 240
agcacatgtc atatttgtgg agttctccaa agacttcttc caggaccgcc acatgttgtg 300
gtatgctctg agacttgaca accaagtcac acacatatac cttgacgtta tgtcca 356

<210> 12579

<211> 359

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12579

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gagccctgct gcgctactta tattcttctc ctcgattatc atatccttca ttcttacatc 120
atgagtgaac aacaacaaga tcaatcactt aatgtacaca gtccttatta cttttatctg 180
ggagaaaatc cagcgatagc tttggtttct tcggttcttg attcatccaa ttataattca 240

tggagtcgat ctatgcttat tgcattaagt gcaaagaaca aatctgagtt tgtcgaagg 300

tttattcaaa gacctgcac agatcatgca cttcatgcag cttggaagag gtgcaataa 359

<210> 12580

<211> 355

<212> DNA

<213> Glycine max

<400> 12580

tcaacattca atttcgagcg tctcgattat ttctggactc aatcagacat ccgagtaaaa 60

agttattgtc gtttgagttg gtcagaggt tcaacattca atttcgagcg tcccgatata 120

ttacggcact gaatcggaca tccgagtaaa aagttattgt cgtttgaatt ggctcagagc 180

ttcaacattc aatttcgagc gtatccatat attacgggac tcaatcagac atccgagtaa 240

aaagttattg tcgtttgaat tggctcacag gttcaacatt caatttcgag cgtctcgata 300

tattacggga ctcaatcgga catccgagta aaaagttatt gtcgtttgaa ttggc 355

<210> 12581

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12581

agctttgagc caattctaac gataataact ttttactcgg atgtccgatt gagtctcgta 60

atatatcgac acgctcgaaa ttgaatgttg aagctctagg cctattcaaa caacaataac 120

gttttactcg gatgtccgat tcagtgcagt aatatatcgg gacgctcgaa attgaatgtt 180

gaacctctga gccaaactcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

tattatatcg agacggtcaa agttgaatgt tgaagcttta agccaattca tacgacaata 300

actttttact cggatgtctg attgagtctc gtaatataac gaaacgctcg aaatngaag 360

ttgaagcttt gagccaat 378

<210> 12582

<211> 352

<212> DNA

<213> Glycine max

<400> 12582

tttctactcgg agatctgatt caggcgcata atatatcgag acgcttgaaa atgaacaacg 60
gaagctctcg agaaattcca atggtcatta cctttaactc ggaggtctga tttaggcgca 120
taatatatca agacgctcga aattgaacaa cggaagctct ctagaaattc aaatgggtcat 180
aactttttcac tccgagggttc gattcaagtg catgatatat ccagacgctc gaaattgaac 240
aatagaagct ctcgagaaat tcaaattggcc ataaccttta actcggaggt ccgatttagg 300
cgcataatat atcgagacgc tcgaaattta acaatggaag ctcttggggca at 352

<210> 12583

<211> 355

<212> DNA

<213> Glycine max

<400> 12583

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gtcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcacccccat gacaaaaaac atgaaaataa aaaaaaagtc cttattacaa agacaactct 180
aaatgccccg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
tagacgaagg aaaaacctat tctaataattt acaaagataa gggggctcat acttagccca 300
tggggtcgaa atctacccta aggctcatga gaaccctagg gccttttctt ggatc 355

<210> 12584

<211> 361

<212> DNA

<213> Glycine max

<400> 12584

tccctcatca tgaaatTTTT ctttcttgta acatcataag tgagaacacc attccacaac 60
tttttcagat catcaatcaa aggttgtaaa taaacatcaa taccaattgt tggattaaat 120
gggttaggta cgacacaact cacaaacata taagttttag tcatacatat ttctagagga 180
agattgtatg gggttaacaat gattggccaa taagaataag gtgaagacga tgcttaaata 240
tatgggttaa atacatttgt gcataaacca agtcgcacat tttgcgtatc aatagaaaaa 300
tctggatgta cccgttcaaa gtgcttccag acttcatagt tagagggatg acttaacatg 360

<210> 12585
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 12585

agcttctcga tatgttatgt gtctgaatcg gacatgcgag tgaaaaatta tgaccatttt 60
 aatttcccgga gagcttccgt tgttcaattt ctagcatctc gatacgctat gtgcctgaat 120
 cggacatgog agtgaaaact tatgaccatt tgaatttctc gagagcttcc gttgttaaatt 180
 ttctagcgtc tcgatacgct atgcgcctac atcgaacatg cgagtgaaaa gttaataacca 240
 ttttaatttc tcgagagatt ccgttagtca atttcgagcg tctcgatatg ttatgcgcct 300
 gaatcggaca tgcgcataaa aagttagtac tattttaatt tctcgggagc atctgttggt 360
 caatttctag cgggttcga 378

<210> 12586
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 12586

agcttcaaga attatggcct tattttacta cttgtctccc gagggaaatt ctataaatag 60
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 agaggcaata aatttaatat ctgggaagcc atagaacaag gaccttatgt tccctctata 180
 atagccggaa gtgcaacaat agaaaaacct agagcagatt ggactgagga agaaagaaga 240
 ttagcacaat ataattttaa ggccaaaaat attattacat ctgccttacg aatagatgaa 300
 tactttaggg tttcaaattg taaaagtgt aaggatatgt gggatactct acaagtaaca 360
 catgaaggca caacatatgt taaaag 386

<210> 12587
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 12587

agcttataga atagtgtacc aaactatcgc tgctccggcc aagctatctt ggaaaaagtg 60
tattaatagc ttctcctcct tagagtgcgc gcccatcttg tgacaataca tcttgagatg 120
gtttttggga caaacgggtcc ctttatactt gtccaagtct ggcaccttgg attttggggg 180
aataacaaca tccggtacta agcaaagatc catcatgtcc gtgaacggat agtcaccaaa 240
gccttcaaca gccctcaatc tcttctcgag gagatcgagt ttccttcttt cttcgggcgc 300
tggggggtggt ccttccgcgg acaaaaatat tggctgtgct gtgaggttgt gttgaggcaa 360
tgtgtcgagt gtccgcccct ctac 384

<210> 12588
<211> 352
<212> DNA
<213> Glycine max

<400> 12588
tatttatttg ttgctttagt tatatgttga ttcttaactc acaaggcttt catttcttca 60
tgtgtctcttg aaactgagtt ctatttatgg tggtaatctt aacaggcgac aatcaggcag 120
ccagtattca agaacatgat gaaagccctg tattttcagt ttactgttgg agttctgcc 180
ttatatctgg taacctttgc aggatactgg gcttatggat cttcaacagc tacctatttg 240
aggagtgatg togatgggtcc agtttgggct aaggctatgg ccaataatgc agcctttctt 300
caatcagaca ttgcattgca tgtagtaact tctaaacttc aatttagagc ta 352

<210> 12589
<211> 252
<212> DNA
<213> Glycine max

<400> 12589
taacgataac tcgcctgtgc tttttcttcc atgctatatg tagcaaagtc attgatccag 60
tcatgtttga tgagttggaa aatgaggctg taattatact gtgctagttg gagatgtatt 120
ttccccctgc tttctttgac atcataattc acttgattgt gcatctgggc agagaaatca 180
aatgttgtgg tcctgtttat ctacgatgga tgtaccgggt tgagcgatac atgaagatat 240
taaaagggta ta 252

<210> 12590

<211> 381
 <212> DNA
 <213> Glycine max

<400> 12590

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agcttggtacc caccagtact atgatagccc agcataatca tttgttcacc ctttttgtcc 60
agttttcttc ttaattgatt tggaacatgc ttgaagcaca agcatccaaa cacccttagg 120
tgcttgagac aaggcttact tccactccaa gtttcttcag gtgtcacatt ctctagcctc 180
tttgttgaaac atctgttgag cagataggct gctgttgaca ctgcctcacc ccaaaactcc 240
tttggcaagt gaaaattcct tagcatacac ctgggtcatgt tgactatggg tctattgagt 300
atctcaaata caccattgtg gtgtgggtgca tatggagggtg tgatcttatg aatattaccc 360
tcacctcat agaatttctt g 381
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<210> 12591
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 12591

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agctttgagc ttacccttat tcactcttgc taagttgaac acaacatgac tgaagatgtt 60
tggttgacaa gtggtctcaa taacttaaga ggggggtgaa ttaagtttca aaattttccc 120
actaacaat ttttaacccc ttttaaatga tatatgatag gctcagaatg caaaagaaga 180
agaagtaatc aatttaataa tggtctttta actgtgcaag gcaaagtaaa ctgcaataaa 240
ataaccgaga taagggaaga gagaaatgca aactcaattt atactgggtc gaccatttcc 300
catgcctaca tccagttctc aagcaactca cttacgattt tccactatct ctataaatcc 360
tttacagtct ttgaacacac tgaagtgt 388
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<210> 12592
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12592

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gacctntna gtcacctgcc gcatgcaagc tttggaagca atcttttatt gttgcttccc 60
tcacattcc tgtcaagcct tcaacaacca agtcaaaca tagagggcca aaggatccct 120
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ttgtctcaaa cctctttgag gcttaaattc agagggtgag cttccattca ctagaataga 180
 tatagaggct gatgtgaggc accccttaat ccatccaatc catctgtcat ggaacctcat 240
 tcttctcatc atatgaaaaa ggaattgcca agacactaaa tcatatgctt tttcgaaatc 300
 cactttaaac accaagcagg acctcttaga cctcctagcc tcctcaagta cctcattagc 360
 aaccaaaca ccatggagca actgtctatc cttcacaag gttgtctgcc ttt 413

<210> 12593
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 12593

agcttgtagg gttaaattct tatgattgtc acgtgctcat gcaacaattg ttggtcgtgg 60
 ctatatgaga catcttgcca aacaaagtca ggtagcgat aactcgcta tgctttttct 120
 tccatgctat atgtagaaag tcattgatcc tgtcaagttt gatgagttgg aaaatgaggc 180
 cgcaattata ctgtgccaga tggagatgta ttttccccct gctttctttg acatcatgat 240
 tcacttgatt gtgcatctgg tcaaagaagt caaatgttgt ggtcctgttt atctacgggtg 300
 gatgtaccg attgagcgat acatgaagat cttaaaaggg tatacaaaga atctatatcg 360
 tccagaagca tctattggt 379

<210> 12594
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 12594

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 aaagatacat ctaataatac ccataattat aacactcccc ctcaagctgg agcatataaa 120
 ttatatgcac caagcttggg acatataaac tgaattctag gcccccttaa ggatttagtc 180
 aaaatatctg ctggctgac attggaatta atgaattcag tgacaatctc tttagacagt 240
 agcttctccc gaataaagtg acagtcaatc tctgtgtgct tggttctctc atggaagact 300
 ggatttgaag caatatgaag agcagcctga ttatcacaat acagcttcat 350

<210> 12595
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12595

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 gatgtcgtag cggatgtcac gacatcacgc ttcaaaacat gcagattgta tttgactgta 120
 tgaacagatt aaacaagtaa ataacacacg agaattgtta acccagttcg gtgcaacgtc 180
 acctacatct gggggctacc aagccaggga ggaaatccac taaaatagtg ttagttcgaa 240
 gatctaacag ccactgttta caaccttctc acctaacacac taccctgca acctctacct 300
 aagagccact cttagatatg agaaccctc tcaactcctc tcaaactc tcccgtgttt 360
 a 361

<210> 12596
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 12596

agctttggcc aaaccccgagc agcttttgtt tccttagaga cttgccttag caccttgtct 60
 ttgagactga ggataattac actgtgtgcc ttttgagta gtgctttctt atcccatca 120
 gccatcatct tttcaagttt ggcttctcca tcaagtgtt ccaccaggcc ctgctgaaca 180
 agaagagctc tcattctcaa tcgccataac ccaaaatcat tttgcctgt gaatttttca 240
 acctcactat tggccgagtc ctttcttga atcgaactca aaaatcgctc cacgctcacc 300
 gcaccaatgt gttgtgcaa gatcagattt tagttcaca aagaatgagt ttcttgatg 360
 aacaagaata agcaaatgc agaaaagaa 389

<210> 12597
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 12597

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gttgcaatc atgtaatcat aatctttttc taacatactt agactagaag gtagagacga 120
 ttcttccatc aggtctttta aatagggtcaa accatctaca aacaaaggga taataaacat 180
 cagttagaga gatcaagtat tcctgatgca taaataataa taacacaatg aaaatgaacc 240
 tttatcgata ttctctaggt tttcggtttc acattcagat gccaaagcaag gctgcttctt 300
 caatatatct gctattacat tattggcttt ctccatgggtt ttcttcaact catcttc 357

<210> 12598
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 12598

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 ttttatgagc aactcaggat tcaacagatg tgacatggac cattactgct atgttaagaa 120
 atatactaata agttatgtta tccttgctgt gtatgttgat gacatgttga ttgcaggatc 180
 tagtatggca gaaattaata tgttgaagta gcagttggca gaaaactttg aaatgaagga 240
 tcttgggtcca gctaaacaaa tcctaggtat gagaattctt agaaacagat cagaaggaat 300
 tttgaagctg tctcaggaga aatatatact caagttgctt gacagggtttt accttga 357

<210> 12599
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 12599

tttaatggaa gtctgatct tgaaactgtt cggacttctt taactggtga gcaggtcttc 60
 cagcgggttg aacaccttaa tattgtatctt ggaaagaccc agaagaagga taaaagtaag 120
 agttgcatat ggaagaagag gtccattttc tttgatcttg cgtactgggtc tgatctaaat 180
 gttagacatt gtattgatgt tatgcatgta gagaaaaatg tatgtgacag tgtcattggg 240
 acactcctta atattcaggg caagacgaaa gatggtctaa ataccgtca agatctatct 300
 gacatgggta tacgatcgca gttgcatcca aggtctgatg gtaaaaaa 348

<210> 12600
 <211> 410
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12600

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tctgttggag ttgtcgggtg ttgccactcc ataaccgact ccactttaat cggatccacc 120
gcaaccccat ctttagaaat cacatgttcc aagaactgca ctttttctaa ccaaaattca 180
cattttgaca agttggtgaa caatttccta tccctcagga tatgcaacac aattctcaag 240
tccttctcat gctcctgctt attcctctga tacactagga tatcatcaat gaacacaacc 300
atgaactgat ctaagtaatc atgggatata cggttcatat agtccatgaa gatagccgga 360
gcattagtca ctccatattg catgactana tactcataat gcccataccg 410

<210> 12601

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12601

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acaagaaggt catccaattg gcttatttag tgaanaatta agtgggtccta cccttaacta 120
ttctacttat gataaggagt tgtatgcctt agttagagcg ttgaacacat ggcaacacta 180
tctttatccc aaggagcttg tgatccatag tgaccatgag tccctaanat acttacaagg 240
acaaggtaag ctaaataaaa ggcatgccaa atgggtggaa tttctcgagc aatntcctta 300
tgttattaaa cat 313

<210> 12602

<211> 381

<212> DNA

<213> Glycine max

<400> 12602

tgtcagtctt gttgttcata cttcacttag agcttcagct attgaagatt ggtacctaaa 60
tagcggctgt tccatacaca tgacaggagt taaagaattc ctggtgaaca ttgagccctg 120
ctccactagc tatgtgacat ttggagatgg ctctaaagga aagatcattg gaatgggaaa 180

gctagttcat gatggacttc ctagtctgaa caaagtactg ctggtgaagg gactgactgc 240
aaacttgatc agcatcagtc agctgtgtga tgaaggattc aatgtaaaact tcacaaagtc 300
agaatgcttg gtgacatatg agaagagtga agttctaatag aagggcagca gatcaaagga 360
caactggtac ctatggacac c 381

<210> 12603
<211> 501
<212> DNA
<213> Glycine max

<400> 12603

agcttgcaat ttaatgttcc tgtcacaccg aatatattat attgcatgta tgtataatga 60
aactttagag agaaagcagg gggatataaa atgaatatgc cactttatta taaagctttc 120
tcataatgtc acaggcaaag attacttcag caattaacta agtcaaaaac tctttctttt 180
ctgttttggc tgaagaagaa aaaagtcagt taatgataaa ataccatgct gcattatgat 240
catcagagtc tggacacagc ggtggctcat tctttgaacg ttgctcgtaa cactcattag 300
aagttggctt cttgatacag ctacacctac tccatttact tgatccttgc tgatcgacac 360
aacttcccac cacatggctt ttgtagtgtc ttcatggctg ccaataaatt cataacacat 420
caggattaaa aacctacatt aaaagcacia gaggccata tataagtcta gctataatta 480
cccttcctat ttaacatctt c 501

<210> 12604
<211> 327
<212> DNA
<213> Glycine max

<400> 12604

cctgtctcaa aagtctatgg agtatgtcc tctgccgacc accacacaga tcttttcctt 60
tctctgcaac aacctggagc aattgagcat cttgaagctc atgctgcaaa cattgaccac 120
agacctctc tagctcagct tcagaataaa ccacggcaga gcaattatga cctctacagc 180
aacagatgca agaccggatg gatgaatcac cctaattctc catggtctag ccctcaacag 240
caacaacagc agcctgctcc ttcctttcag aatgatgctg gcctaagcaa gccatacatt 300
cctacaccaa tccgacaaca gcaacag 327

<210> 12605
 <211> 520
 <212> DNA
 <213> Glycine max

<400> 12605

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 acagaggcca aagatgcatg ggagatcctg aaaaccactc atgaaggaac ctctatagtg 120
 aagatgtcca gattgcaact attggctaca caattcgaaa atctgaagat gaacgaggaa 180
 gaatgtattc atgacttcca catgaacatt ctcgaaattt ccaatgcttg cactgccttg 240
 ggagagagga taacagatga aaagctggtg agaaagatcc tcaaatcctt gcctaagaga 300
 tttgacatga aagtcactgc aatagaggaa gcccaagaca tttgcaacat gagagtggat 360
 gaactcattg gttcccttcc aacctttgag ctaggactct tcgatggggc tgaaaagaag 420
 agcaagaact tggcgttcgt gtccaatgat gaaagagaag aagatgagtt tgacctggat 480
 actgatgaaa ggctgaccaa ggcattttgtg ctccctttgga 520

<210> 12606
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12606

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 caatatagtt tgataataat gtgaaattgg tttatcattg tggatgggtat gattgatttt 120
 tgtttgctac aacaaagaga taatgtagtt gacgagttga atactcgtag tatatatattg 180
 tcgtttgcta caacaaagag ataatgtagc ctatggttca aatactcata gtatatattt 240
 ctcgtttgct acaacaaata gataatgtag cctgagtcaa ataactcaca tatattattt 300
 gtttgctaca atgaatagat aatgtatcat atgagtcaaa tactcatagt atatatattn 360
 tccatttgct gcaatgaaga gataacanag tctatgagtc caatactcat aatatatacc 420
 atttnnttct ctacat 436

<210> 12607
 <211> 393

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12607

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 agaagaatat ggcatttacc tgnngtgaaa aacaagagca agcctttgct nttctcaaag 120
 aaaagcttac taagggcacc tattctagct cttcctgaat ttctaaaact tttgagctag 180
 aatgtgatgc ctctggtgtg ggagttggag ctgtattggtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc aacctcaacta cccacactat gataaagagc 300
 tntatgcctt aataagagcc ctccaaactt gngaacatta ccttgtttcc aaggaatntg 360
 tcattcatag tgatcatcaa tcacttaagt aca 393

<210> 12608
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12608

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 ccatcattgg aggtgccact tgagctgcc ggtctctcca cctttgggcg tattctttga 120
 aagattcatg cccctttttg cacatgttct gtagttgcat cctatccgga gccatatcat 180
 aattgtactg atactgccta acgaaggcaa tcattatgtc cttccaagaa tggactcggg 240
 aaggttccaa gttggtgtac caggtaacag ctaccccagt aagactntct tggaaaaaat 300
 gtatcagcag ttctcatct tttgcgtatg ccncatctt ccgacaatac atctttagat 360
 gggtcttggg gcaagtagtc ccattgactt gtcaagtct 399

<210> 12609
 <211> 459
 <212> DNA
 <213> Glycine max
 <400> 12609

gagtctatgg tctatgttct tctacagatc tctgttcttc tttgcagcaa tctggagtca 60
 atgagcaact tgatgcttat gttgtaaaca tttataatag atctctcaa caacaaaacc 120

aacaacaaca gaataattat gatctttcaa gcaacagata caatccaggt tggaggaatc 180
atccaaatth gagatgggca agtcctccac aacaacatta gcctgtccct cctttccaga 240
atgctgctgg tccaaggaag ccatatgttc ctctccaat acagcagcaa caacaacaac 300
agtcataaca aagacaacaa gtaattgagg ctctctctca accttcttta gaagaagtag 360
tgaggcatat gaccatccag aatatgcaat ttcagcaaga gacaagagcc tccattcaga 420
gtctgaccaa tcagatgggg caaatggcta ctcaattga 459

<210> 12610
<211> 366
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12610

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tgaaagacaa gagcaagcct tttctttgct caaagaanag cttactaagt cacttgttct 120
agctcttcca gacttttcta aaacttttga gctagaatgt gatgcctctg gagtgggagt 180
tggagctgta ttgttacaag gtgggcacac tattgcttat tttagtga aaacttcatgg 240
tgccaccctc aactacccca cctatgataa agagctttat gccttaataa gagccctcca 300
aacttgggaa cattaccttg tttccaagga atttgtcatt catagtgatc atgaatcgct 360
taagta 366

<210> 12611
<211> 459
<212> DNA
<213> Glycine max
<400> 12611

cctttctttt tcttggcatt ttcttcatgt tgatttagtc tcatgagttc cattttgtgt 60
tcctgaaact ttccaaacaa agttgcaaga gacatgtgca taagatctct tgattctata 120
attgtcatta cctttgggtg ccattccctg cttaaacatc ttataacttt gttataaaaa 180
tcttcattgg gaaatatctt tctaatgat gcaagatgat ttactatatg tgtgaatttc 240
ttttgcatat cctgtatagt ttcattttga ttcattctaa acaatttata ttcatggggt 300

agggtatttta ttctagatct ttttacatat gttgttcctt catgggttac ttgtaaggta 360
 tcccacattt cttttgcatt cttgcagggt gatactctaa aatattcatc cctgcctaata 420
 gcagatgaat tatatttttg gctttaagtt atattgacc 459

<210> 12612
 <211> 212
 <212> DNA
 <213> Glycine max

<400> 12612

aagagctttc gttgttcagt ttcgagcgtc tcgacataag atgcgcccga atcggacatc 60
 cgggtgaaga gatatgagca tattaatatc tccagagtat ccgatgtata acttccagcg 120
 tatcgatata atataagctt gaatcggacc tccgtgtgaa aagatatgac cattagaata 180
 tctcgagagc tttcgttgta gaatttccag cg 212

<210> 12613
 <211> 476
 <212> DNA
 <213> Glycine max

<400> 12613

aaaacatctc tctgccgaag ttgctgccat gcatcagtgt acagtcgtcc aaaaaatccc 60
 tgagatcacc gttcgtcgta gacacaatct gcatacgacg atcacgtcgt accgactatg 120
 gctatccgct tcatcaccta taatgaatat cttttacatc atcaactata taaattatta 180
 caaattgtcc aaactaacta ttcatagtgg atgaattata tctaaaatgt ataaggcata 240
 atctacgcag agatgcatcc tgacttttaa ttattgataa ttgctgtaac aagatattca 300
 tatgcaagtt gaaactaaca atattaacaa ttatagattg aaagagataa acagcacgtt 360
 aaagcagcat ctctatatct atctatatat atatatagat ggcatatgac ctctctatat 420
 atctatatat atataaatcc caagcgtgcg ttcggagcct gacttaatat atgggg 476

<210> 12614
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12614

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gaggaggcag taatcgatat acattctcca actgggtcatg gtccttacag gaattagctc 120
attcttgta ttctttatca ctattattct acccttggtg gggactactt gcatggggat 180
taccatgaa ctttcaaaaa tggcatatat cattccagct ccaagaagct tcagtacttc 240
ttttcgaaact tcctctttca tcaccaggct gagtcttctt tgtgggtgtg ctactgggtt 300
gaagtcctca tcattgtgca tgcaaataaa tggacatatt cctttgaggg tgaagaattg 360
tcacctaag gcttgtctgt gcttcttttag tacctccact agtctcttct cttcctcttt 420
gtgcaatgtg ctactaatga tggctaagtt ctca 454

<210> 12615
<211> 441
<212> DNA
<213> Glycine max
<400> 12615

agcttataat atattattac gctcgaaatt aaacatctta agctctcgag aaattcaa 60
ggtcataact tttcaccggg atgtccgatt atggcggaatc acatatctag acgctcaaaa 120
ttgaacaacy gaagctcttg agaaattcta atggtcataa cttttaactc ggatgtccga 180
ttcaggcgca tcacatattg aggcgctcga aaatgaacaa cggaagctct cgagaaattc 240
aaatggcat aacttttcac actgagggtcc gattcaggat tataatatat caagacgctc 300
gaaattaaaa atcggaagct ctcgagaaat tcaattgggtc atcacttttc acacggatgt 360
ccgatttggg tgcataatat gtcgacacgc tcgaaattga acaacggaag ctctcgaaaa 420
atcaaatggt cataactttt g 441

<210> 12616
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12616

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tcttttcgag tattggccgt atgcaatcat cttataagat atgggtgaaga tgttgatgac 120

gtgaagggtca ttgaataaat acttctaact ttatatcat agtttgactt cattgntacc 180
aacattgaag agaacaagga ttttatgacc atgactattg agcaactcat ggggtgcctta 240
cgagcatact aagataaact aaagagaata atttaacaag atgaggctac ggagcaacta 300
ctacaactca acgtaaagga agcagactta tcatattaca agagccaaag atgac 355

<210> 12617
<211> 342
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12617

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ctttatagac tcttcaagtc tggtaagag aaccattaga agagttataa cctttagaaa 120
acctttggaa gagttacatc ttttgattct tattcanaac ttatcattgg taatcgatta 180
ccaaatcatt gtaatcgatt agacaaagca tttttgtaaa aggatgtgac tcttcacatt 240
tgaatttgaa tttcaacggt caaacacact ggtaatcgat taccaatata ttgtaatcga 300
ttacaccatt ttgaaattga atggaacatt gtaaattcag tt 342

<210> 12618
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12618

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tccgtattac tcattcagat caacttgatc cgtatgagtc ataaggatct agttgatccg 120
tatgacttat acggatcaag ttgatccgta tgacctttgt taattcaaaa aaataataaa 180
taggtatttg tgttttagaaa atgtttttaa tacgagttta ttcgtagttt tgtataaaaa 240
acagattggt tgtgttttaa aaaaatatgt atgatgcatg gtgtatgaaa tagtataaat 300
ttaatagtaa tattgaattt tgagttgttg tgttatttat tcatggaaa tagcatattt 360
attaatatga gtcgtattat tatgaattgg tctaatatga tcatatatgc tttagaatat 420
tataatgatg tttattca 438

<210> 12619
 <211> 507
 <212> DNA
 <213> Glycine max

<400> 12619

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tttcttgaag agggcaggaa cccatgcaca aagatagaga tcctcacacc attaaaccca 60
ttgttcgata ttgggttgaa gaattggcta aactggcttc tttgtactt ttcacaagta 120
ttggagatct ttctaccttt caagaggcta tgaatagcca ggagaaagac aaatggattg 180
gtgctatggt ggaggagata gagtctttac agaagaatca ggcatggcag ctagttgagc 240
ttcctacgag caagagagtc atagggtgca aatgggtaga caagaagaaa cctctagtat 300
cagaaaaaga aaggaaaaag ttaaaggctt gcctagtagc aaagggatat gcatagtaga 360
agaggttgat tatgatgata ttttctccc taatcatgag agacacttct atcatggcga 420
tgtagcctt tggagccagt catgacattc acttgagca tatggatgtg aagacaccct 480
tttccacat gatctagggg aacaaat 507

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<210> 12620
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12620

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cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattta cctgngtcaa ctttatcaga gagaaatcag ataccttga agtattcaag 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat caggagtgc 240
catggcagag agnttgaaaa cagcaagttt actgaatttt gcacatctga aggcactcact 300
catgagttct ctgcagccat tacaccacaa caaatggca tagttgaaag gaanaacagg 360
actttgcaag aagct 375

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<210> 12621
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 12621

ttccacatat ttccttgtcg gatggggtca atttgtcgcc cttgttttat gaccagagga 60
gggaggagat gaagttcccc tccgcggcga cgcgccgcac cgtcatttcc cggttgagg 120
aggtggccaa cgccgggaag ttctacgtca ggagtagcca gaccactgtg aggttttagg 180
gtcaggaacg tgggaggaca gggaagctgg ccattgccgc cgatatctac tccgtgacgc 240
cctcgtttat g 251

<210> 12622

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12622

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atgttactgt cgcttaaatt tgcttagctc tccagcttta aatttcgagc gtctcgatat 120
atgacgggac tatatcagac atccgagtaa aaagttattg tcatttgaat ttgcttagag 180
attcaacatt catcttcgag tgtctcgta tattacggga ctcaattata cattcgagta 240
aaaagttatt gtcgttcgaa ttttctcaga gcttcaacaa tcaatttcga gcgtctcgat 300
atattacggg actcaatcag gcacccgagt anataagtat tgtcgtttga attggctcag 360
agcttcaaca ttcaatttcg agcgtctcgc tatattac 398

<210> 12623

<211> 469

<212> DNA

<213> Glycine max

<400> 12623

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tatatcgaga cgctcgaaat tgaatgttga agctctgagc caattcacac gacaataact 120
ttttactcgg atgattgatt gagtcccgtat atataacaag acgctcaaaa ttgaatgttg 180
aagctatgag ccaattcaaa tgacaataac tttttactcg gatgtctgat tgagtccga 240
aatatatcga gagctcgaa attgaatgtt gaacctctga gcccaattcaa acgacaataa 300

ctttttactc ggatgtctga ttgagtcccg taatatatcg agacgctcga gattgaatgt 360
tgaagcttta tgcaaattca aacgaccata actttttact cggatgtttg attgagtccc 420
ggtatatatc aagacgcttc gaaatgaatg ttgaacctat gagcccatt 469

<210> 12624
<211> 287
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12624

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cggtgagtat aatgttagtt ccaccttcaa tgtctctgat ttatctcttt ntgatgcaga 120
tggagaatcc gatttgagga caaatccttc tcaagaggga gagaatgatg aggacatgac 180
caagagcaag ggcaatgatc cacttgaagg acttggagga cctattgatg aggacatgcc 240
aagagcaagg gcaaggatcc acttgaagga cttggaggac ctatgac 287

<210> 12625
<211> 305
<212> DNA
<213> Glycine max
<400> 12625

caacatagtt gacacggaag ggatatctcc tctatatata agcataacat catatgcaaa 60
agccaaatga gatagttgaa tacctgcaca gttgggattg aaattaaaat tggcatcatc 120
cttgaggctg ctcatatctc tggaaaagtg ctccaaacag agcaciaaaca gattaaggga 180
gagaggaatc ccttgtctaa gaccccgcta tcctttgaag tgaccataaa tgaatccatt 240
gactgccaca ctataggaag tggaagaaac acattccatg atcaaagtac agaactgggc 300
tggga 305

<210> 12626
<211> 375
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12626

acgacaatta cttttaactt ggatgtttga ttgagttccg taatatatcg agacgctcga 60
tattgaatgt tgatgggtcgt tgcaaattga gacgacaata actctttact ctgatgtctg 120
attgagtccc gtaatatatc gagacgctcg aaattgaatc ttgatgctct gagcaaattc 180
aaacgacaat aacttttttac tcggatgtct gattgagtc tgtcatatat cgagacgctc 240
gaaatntaat acgaaagcta tgagcatatt caaacgacaa taattattta ctcggtatgtc 300
tgattgaatc tcgtaatata tcgacacgct cgatattgaa tgttgatgct ctggtcgatn 360
tcaaacgaca ataat 375

<210> 12627
<211> 546
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12627

ctgcaagctt atactttcaa tatgagttct cccatcgtgt ttgtgacaat ggtttgagag 60
ttagactaga atatgatatt ggtaaaattt ttcattttttt attgaagaag aaaatatatt 120
atatatgcat cgtagtactc ccgaaaaaga tgtaatttta ggacaagagt tagtcatatc 180
acaaaatacc aaatttagac tatgacaatc acgtggagta taaaatgac gataattaaa 240
gtctaaaatt cttttttgca caccttgatg ttatcctttc atatttgatt cattatcata 300
accctgtcct cttaagtaat taatatcaag tgaaatatta tttatttcat tcataatagc 360
ttcaaaaagg cctttntccg gttgtatcat ctacctttta aaattataaa aaaaatttca 420
aaaacttgta tttgaattga agaaacatct acatatcata atacaaaagt catttgttct 480
cgatgactta tatcacgagg acaaccaagt atgattgaaa atattgtgca ttattgatat 540
ttttat 546

<210> 12628
<211> 426
<212> DNA
<213> Glycine max
<400> 12628

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ccggaagatg atgagaaaatt taaatggta taacttatca cgcggaatgtc tgattcagggc 120

caataatata tcgagatgct cgaaattgaa caatggagct ctcgagaaat tcaaattggct 180
 ataacttttc aattggatgt ccgaattagg cgcacacat atcgagactc tcgaaatcga 240
 acaacgaaag ctctcgagaa attcaaattgg gcataagttt tcacacggaa gttcgattca 300
 ggcgcataat atatctagac gttagatatt gatcaccgga agctcttgag aaattcaaatt 360
 ggtcataact tttcactcgc atgttcgatt cagggtgcata atatatcgag acgctctaaa 420
 ttgaac 426

<210> 12629
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 12629

cgcatcacat atcgagacgc tctaaattga aaaccggaag ctctcgcaaa attcacatgg 60
 tcataagctg tcacacggaa gtctgattca tgcgcataat atatcgagac gcttgtaatt 120
 gaaaaaagaa tgcgctcgag aaagtcaaatt ggtcgtaact tgtcaaacag atgtccgata 180
 cgtgcgcata atatttcgag acgctggaaa ttgaacatcg tatgctctcg agatagtcaa 240
 atggtcataa cttatcacac ggaagtccga ttctggcgca taacatatcg aga 293

<210> 12630
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 12630

tgctgcatgc tagctttgat gcagcatatg gagaggctaa tgatataacg ttatgatgcg 60
 ctgcatgaca cgctcgctca atatggctaa tcgccatcct tatgaggaag aactgacgac 120
 aacacgtaat ggatcggtgt cctagacaaa acctgattga tcgtttttaa cttctcattc 180
 ctccatttaa aggaaagaat gatcctgaag cctacttgga gtgggagatt aaaatatagc 240
 atgtttttctc atgctacgac tatgaggacg accaaagagt gaagcttgcc gccacggagg 300
 cttctacta tgctcttggt tgggtggaaca tgcttctaaa tgcgacatcc agaaacgacc 360
 agccactggg tgatacatgg accgagatga tatacatcat gatgaagcgg tatgtgccag 420
 ctacttac 428

<210> 12631
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12631

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 ttctcacatc aaggaagcat tgtaattca acgagtagac aagctgtgta ctcataatta 120
 agttgtcagt tttcacaact gtaattcttt tattattggg tatggcgact agaagtctct 180
 acacactata ggtcagggcc atggctcaaa ggtaggcta tagctcagaa gagcactact 240
 ttctatgaat ctagattatt taattntaaa gggtaaaata aagatattat agagtatatc 300
 tgtttgataa ttntattaat acaaactaat taattaaata atataagatt aattcgtttg 360
 tctgacaata ttatagttga taactgtatt acaacatgat aatgtataat atacatggta 420
 ttacatctaa tatcattttc tatcattgac atatagtatt 460

<210> 12632
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 12632

ctcaagcctc tctgtggtat taactcatgc gaagggctgc ccttgacaaa tactgagatt 60
 aatactatct taggcattcc tccattcatt gaatcccctt ggagtggaaa cccatcctcc 120
 gcagccagtc aagcacatag tcccatgata ctgaatcata tgccttctcg tatccacttt 180
 aaagacaatg cacagcttct gccctctcct atcttcctcg accacctcat ttgcaattac 240
 cgcgctatgc aacaaatgcc ttcttttaat gaatgcaaata tgccttttgt ctatgaagaa 300
 cggcatgacc ttcttccatc tgttggctag tagctttgcc aagggattta atcaaataac 360
 tacgtccgga tatttagaaa ccttttcacc tgttgctgtg aaacctgccc caatcaaata 420
 atagtacta ttgtctt 437

<210> 12633
 <211> 438
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12633

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tccacacccc tcttttagct gaattaacct cctctaaaat aattacggat gagaataacg 120
caacatataa tcaaacatca gacataatta ctaataatat atagatatat atatatcagg 180
gttggtacaac tctcccaccc ttttagaaat ntcgtactca aaatttacct tactcaaaca 240
aggatgggtg agcttctcgc atctgactat ctaattacca cgtggcatct tctcctgatg 300
cacctcctca gatcaccttg accaacgaaa tctctttccc tcttaagtgt ntnggtcgcc 360
tatccttgat cctcaaaggc aatgtttcat atgtcagaat ctcttctact tgaccatcat 420
caattaatca catgggat 438

<210> 12634

<211> 551

<212> DNA

<213> Glycine max

<400> 12634

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ctctctgtgg tatgaactca tgcgaggggc tgccattgac aaatactgag atataagcag 120
attttaggca tccctccatt catcgaatcc acttggagtg gaaacccatc ctccgcacca 180
agtaaagcac aaagtcccat gatactgaat catatgcctt ctcgtaatcc actttaaaga 240
caatgcacag cttctgcctt ctctagctt cctcgaccac ctcatattgca attaccgcgc 300
tatgcaacaa atgccttcct tcaatgaatg cagattgcct tttgtctatg atgaacggca 360
tgaccttctt caatctgttg gctagtagct tttgcaacgg atttaatcca ataactagtc 420
aggattattc agaaaccttt ccacctgttg ctgtgaaacc tgtcacaatc aaaataatgt 480
tgactattgc tcttgcctcat cactgggtcta ttcaataaat tgtgtgaaca atgctctcct 540
taatgggcat t 551

<210> 12635

<211> 425

<212> DNA

<213> Glycine max

<400> 12635

tcagcttttct agaaactgaa caaaggaagt tctctagata tttgaatggt cataactttt 60
cacacagatg tccgattcgg ggacataata tatcaagacg ctcgaagttc aacagtggaa 120
gctctcaagc aaatcgaata gtcataactt ttcacaatga tggttcgattt tgggacataa 180
tatatcgaga tggttcgaaat tgaaaaacgg aagatttcga gaaattaaaa tggtcataac 240
ttttaacacg gatgtccgat tgggggagat aatatatcga gacgctcgcc attgaacaac 300
caaagctctc gacaaattca aatgggtagt aattttcaca catatgtccg attcggagac 360
ataactcatt cagacgctca atattgacaa tgggaactat tgagaaattt gaatgggtcat 420
acctt 425

<210> 12636

<211> 523

<212> DNA

<213> Glycine max

<400> 12636

agcttaacaa aaggcatgtg aagtgggtgg aattcctata gcaattccct tatgttatca 60
aacataaaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tgagaaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360
ctctataaac attacaagaa catttttatt ggctcatat gaaagaggat gtgcagaaat 420
tttgtgaaca ttgcattgta tgtagaaagg caaagtctaa gggaaagcct catggattgt 480
atactccatt gcccaattcc cgagtattct tggattgatt tat 523

<210> 12637

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12637

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 tcaccattca ggaacaccat ttccacatcc atttgatgca actcaagatc aaaatgagct 120
 actaatgccg aaattactcg aagagagtct ttcttatata caggggaaag gtctctctgt 180
 aattgattcc ttctctttta gtgaatcctt tagcaacaag atntgcctta tgtctctcaa 240
 tgttgccctc taagtctttc tttgttntga agacctatct acatccgatg gcttttacac 300
 caacaggcaa ctcaacgaga tcccaaactt ggtagatgc catagaatcc atctcatccc 360
 tcatagcatt ata 373

<210> 12638
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12638

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 catttgctgc ccaagtttca tgggtcttgca ggtgaagatc ctcataatca tcttaaggag 120
 ttccatcttg tctgttccac catgaagtcc gctgatgtcc aggaagatca tatctttcta 180
 atggctattc ctcatctctt ggagggagtg gcgaaagatt ggctgtatta ccttgctccc 240
 aggtccatta ctagctggga tgaccttaag aggggtgtgt tggagaaatt cttccctgca 300
 tctaggacca ctgccatcaa aaaagacatt tcaggcatta ngcaacttag tggaaagagc 360
 ttgtatgagt actgggaaag 380

<210> 12639
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12639

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 cctttccatg ctaattccaa gcagaaaatt gaatcattcc taacctgtan actaggaaaa 120
 ctatcatcag cctcaccggg tcttgaaaca tccagtcccc tgaccaatca tcanaggagt 180
 cagtaaagag tttcaaactt tcaatacctc ggaaaacaaa tatgcaagga caggtgtata 240

gaaattccta cttccattga attcggttct tgagtttctt ttctataagt ccaatccctt 300
 caagaacatn tgttatatca tatatcctcc tcttttgcac ctgcagatac caa 353

<210> 12640
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 12640

agcttatgct gcaaacatct acaatagttt cttctcatcc tcagtttcaa aatcagccac 60
 aaaagaacaa ctatgacctc tctagaaata ggtacaatcc cgggtggagg aatcatccca 120
 accttagatg gtcaaatcat tcacaacagc aacagcaaca acaacaacag caacaacccc 180
 agaaacaaca aatagttgag gcttctccgc aaccttccct tgaagaactt gtgaggcaaa 240
 tgactatgca aaacatgcag tttcaacaag agaccagagc ctccattcaa agcttaacta 300
 atcaaatggg acaattggct acacagttaa atcaacagca gccccagaat tctgacagat 360
 taccttctca atctgtctag aatccccaaa atgggagttc cattacattg agatcggg 418

<210> 12641
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 12641

agctcgggaat gcatgatttg ctcgattatg ggaagagaaa tcatccgtgt gaaatcacca 60
 aaggaacctg acgagcgtat cacgttatgg tttcatgagg atgtgcttga tgtattatta 120
 aaagaaagtg tcagacctac aattatttat tttggatgtg ctatactaaa tgccatactt 180
 tcattttaca ttattgtcaa tatgatttca cagggaaaca aagctgttga gggattgact 240
 ttgatgcttc cacggagtaa taaaaaatgt ttgagtacta catctttcaa gaagatgaag 300
 aaactcatgt tacttcaatt tgctgggtgtt gaacttgctg gagattttta gaatctttca 360
 agagatttga gatggctata ttgggatgga t 391

<210> 12642
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12642

agcttctata gaagggtcgt acctaatttc tctacaattg tctcacctcn caatgagctg 60
gtgaggaata atgaggcatt tacttgggggt gaaagacaag agcaagcctt tgctttactc 120
aaagaaaagc ttactaaggc acctgttcta gctcttcctg gactttctaa aacttttgag 180
ctagaatgtg atgcctctag agtgagaatt ggagctgtat tggtacatgg ttggcaccct 240
attgcttatt ttagtgaaaa acttcatggt gccaccctca actacactac ctatgataaa 300
gagttttatg ccttaataag agccctccaa acttggggaaa attaacttgt ttccaaggaa 360
tttgtcattc atagtgatca tgaatcaact taagtacatt agagggcaaa ac 412

<210> 12643
<211> 417
<212> DNA
<213> Glycine max

<400> 12643

agcttattct tcttcattat gcgacgggat tcatgttctt ctacggcgtg gacaccaca 60
cctcattctc tgatatcggt ccactgacat gggctgcggc ggggtccaagg tggaggactt 120
ccccgcggtg gttctgtgta gagagcgaaa ggcgttcctc aaagccgcat cagagcaacg 180
ctacgtctc gccgctgcac acgtggcgta tttccattcg ctgagtgaag tcggcgacgc 240
ccttcacaag ttgcgcgaac aagacctcac caccaccacc ggttctctct ctccggttct 300
cacattacc ctcggaacca aaagcatcaa caataacaaa ctctcatcct cttcccttct 360
tatagcatct aatgaaaaaa aactatgaaa aacaaaacga atggcttaat tcaactgg 417

<210> 12644
<211> 354
<212> DNA
<213> Glycine max

<400> 12644

tcattggggc ttgttgattg gtttacaagc ctcgtttaat atttgcctct cacagatcgt 60
aacactttta agttcaatct cccattgtc catatcatc gctaacaaag caagaatata 120
tgaaagaaga tgaggctctc aatcatatct ctttgcattc tgggtgtatct gaacgaggga 180
gctgcggaat agtcagctga cgacgttctt gagaaatacg atctcccagt tgggcttctt 240

ccaaaagggtg ccacagggtg tgaattaaac gaaaagaacg ggcacttcac agcgtatttg 300
aatggaacat gctactgcag catagagtcg tatgagctac agtacgagtc cacc 354

<210> 12645
<211> 382
<212> DNA
<213> Glycine max

<400> 12645

agcttcgccc aaaaccatgt tcatttatct tctaggagag ccatgttgta gaacacctca 60
atcccatgca aacgacaata atcaattttg ttcttaatag cctttaacaa gtaatgatcc 120
ccaacgggat ttctgcacgg ttctggcgac gaccagtta cgaaaaacac gcggggcttg 180
ttgggtcgaa ggaaattcga gaaattggga ttctcgcgaa gccagcgaga tctctgttcg 240
tcccagatcg atattttggg gccgagacga tacgcctcgt gtgggttaac ttctcgcgg 300
ttctcgtctt ctgtttcgcc taccaagatg gtgttgatgt ctaacgcgtt gtaattgggtg 360
gtggaagtgg aactttcaaa cg 382

<210> 12646
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12646

tcaagctata atgagaagac cacaggcata ttnttttttt ottatgccaa atttatagat 60
gctggtgtaa gcaagagtat ttcacctgca cagaagagta ctcactaca acagctagca 120
tatgtgagga gttttcctag tggggagaga aactgttaca gaataaatgt aacaagtgg 180
actaagtatt tgatcagagc tactttcttt tatggaaact atgatggtct caatcagccc 240
ccacaatttg atcttcatct tggagcta atatgggaca cagtgaactt cccaatgct 300
tcactcagtg aaatcagtga gatcattcac actccatcac tagattacat acaaccatgt 360
ctggttaaca caggcaaagg gactccattc atttcagcta tagaattgag gactntgaac 420
aa 422

<210> 12647

<211> 425
 <212> DNA
 <213> Glycine max

<400> 12647

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gcttgtaatc gattacacac atactgtaat cgtattcctt tatgttattt tcagaaaata 60
ttctcaattg tcacatcttt tcatttggtt cttgaatggc tatcaaaggc ctatatatat 120
gtgacttgag acacgaattt gccaaagattt tttcagaaca aaaaggctctt atcctcttaa 180
aaagcaaaat cgttttatcc tcttacaaat tccttggcca aaacacttgt gattcaataa 240
ggaattatth gagtgctcaa attgttcaat ctatctcttt caagagagat ttcttcttct 300
tttcttcttt attctgaaaa gggattaaga gaccgagggt ctcttggttg gaaagaatta 360
taaacacaaa ggaaggattg tccttgtgtg tttagaactt gtaaaaggaa tttacaagat 420
agtgg 425
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<210> 12648
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 12648

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agcttcctta agaagatttc taaagaatct agagcttagc tacacatagc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta caacttagct acacatcccc tataatagct 120
aagctcaccg gcatgacaaa atacatgcaa atacaaaaaa aatccctact acaaagacta 180
ctcagaattc ctcaaaatac aaggctaaaa cctatacta ctagaatggc caaaatacaa 240
ggcctaaacg atggaaaaac ctattctaata atttacaag ataagcaggc tcatacttag 300
cccatgggct cgaaatctac cctaaggctc atgagaaccc tagggccttc ccttggattt 360
atggcccaat ctacttgag tcttctattc aatgcccttg 400
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<210> 12649
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12649

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ctgcagcttg cttatcatnt tatttccttt ctaggctttt tcgacgactc accacctgct 60
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tcaaaagatg ctacaaaccg gaagaagcac tagtgctata gttatcattg tattaattgt 120
gcttgtgctc ttttctttgt tctcctttgt actttttaag ctgtggctga agaaaaaaag 180
ggaggagcaa tatgctcgtc tttaatgcta atgtttttgg ctttgtgttt tccagcttcc 240
aggggataaa atattaggtc tggcaaaaat ttcttgggta ttggaatccc aggagatgcc 300
aaggacttct tcaatcaagt cgagtcatta ggttttctag agagcaatat gaaagtgcct 360
tactaaaaac aatcttatta tagattgcag ct 392

<210> 12650
<211> 415
<212> DNA
<213> Glycine max

<400> 12650

tagtaaaagt aggcactaac aatctccctc tttgtgttaa ttttgtctaa aacatactta 60
gacacttcct gagcaggtac gagcagttat gcaagtggga tcagcaactt tcattatcag 120
agtaatcaag cacagcggaa attctgcaag ttgcaagtcg tttccaggat gtcaagacat 180
ctcacatgac atcagctttc tgcttctgct cccctgtct ccatgctctt actgcagcat 240
cttctatcag ctactagtct tttccaggat gtcaagacat ctcagtgtgac atcagctttc 300
ccttgtctcc atgctcttac tgcagcatct tctatcagct actagtagct tacatcagtc 360
atcatcagca gcagcagtct cccctcaaa atcatgtaca tacaactccc cctca 415

<210> 12651
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12651

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aaaacattct caacagtcac atctttttat ctgtttctta aatagccatc aaaggcatat 120
atatatgtga cttgagatac gaatttgaca agagtgttga agaacaaaaa ggtcttatcc 180
tcttaacaag caaaattgtt ttatcctctt acaaattcca tggccaaaaa acttgtgatt 240
caataaggaa ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattact 300

tcttctcttc ttctttatct tgaagaggga ttaagagacc gagggctctct tgttgtgaaa 360
ggattctaaa cacaaaggaa ggattgtcct tgtgtgttta gaacttgta aaggaatcta 420
caagatagtg gaactctc 438

<210> 12652
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12652

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gttttttgaa gatgtcagca atttgatcca cagaagatac atgacagatt tggagcaatt 120
tggattcaac aagctcatga atgaaatgga aatccaaagc aatatgtttg gacctagtgt 180
gtataacagg attcttgggc agaaaaatgg cgctgacatt atcacataac aataatggag 240
gacgtctaag aggaacacaa agatcttgaa gcagttgttt gatccacaac agctcagcag 300
cagtgtatgc gagtgaacaa tacttagctt cgggtgctaga tcttgcaaca actcgttggt 360
ttcgagaagt ccagctgata agattggatc catganagat ggcataacca tactaagacc 420
tgctatc 427

<210> 12653
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12653

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accgagccaa atcggactgt atgattttta agtttgattc aaatggcatg taatgaaaaa 120
actaaactaa atcgcacacag aatatttttt gtaaaattat tttatantaa tttgtgtgat 180
gaagaagagg gaaaaaatga aatcatttaa ttaatgtaat aatgagttta aaaaactatt 240
ttacaaagac ttaaatatgt ttttgggtctc tgatatatac tcaatttttg tgtttaatcc 300
ctaataaatt tttccttcga atcggatccc taatatttta aaagttttgt ctaaggcccc 360
tgccattaac tatgattcat taactgctta cgtggctggt aacttgac 408

<210> 12654
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 12654

agacagaagt aaccttaagt agtgatttat tagaatgaat tatgagagtt tccagatcca 60
 ctccaggatt ttttttaaca tccagatttc acttttagtg aggaacttat tcccatgcag 120
 aacactcttt cagctattat gtcctatgc taaaaaaac gtgaaaggaa ctgcctacct 180
 gagatagaat gattggacca ccatgagact gaaatagctt ttcattcttc atcatctgga 240
 ctattttctg agtgaaacct tgctttgcgg ctaaagtaaa aacagtaaaa ataagtgt 298

<210> 12655
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12655

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 ctatgacttc attagcaatc atcacaccat ggagaatatg ccttcctttg agaaaggcag 120
 tttgcctttc atcaataatg tgaggcaaaa caagagccaa cctattagca aggactttag 180
 acactatttt ataagcacac cctataagag agatgggtct ataatcatta agagattgtg 240
 ggtaaatgat cttggggata agggctatga aggatgcatt gcttcctttg gggaatctgc 300
 catttatgaa gaactcatcc atgaacctga taaaatcagg ttttagaatt tccaaaaact 360
 gtttaataaa gttgaagttt aacctatccg ggccagggtt tttatctcca ccacaagccc 420
 aaac 424

<210> 12656
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 12656

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 agctatgcgt agtgattgct tagtgcaatt ctccattctc aacctttttc ggagcccat 120

gaattgcggtt ttcgttcatg tgcctccac cctcgagttc ggagctatgc gtagtgattg 180
 cttagtgc aa ttctccattc tcaaactttt ttggagcccc atgaattgtg ttttcgttca 240
 tgtgtcctcc accttcgagt ttggagctat gcgtagtgat tgctttgggc aattctccat 300
 tctcaacctt tttcggagcc catgaattgc ggtttcgttc at 342

<210> 12657
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 12657

agcttgaagg tgtgtagccc accatctttt atagtagaat actggtaatg tgtttactat 60
 cattgtcatc attttttttc gtcattgagg tgccacttga gctgccaggt ctctccacct 120
 ttgggcgtat tctttggaaa gatctgtgcc ctctttttgc acatgttctg tagttgcatc 180
 ctatccgaag ccattatatt gacacaacct aacgaaggca accattaggt ccttccaaga 240
 atggactcgg gaaggttcct agttagtgtg ccaggcaaca gctaccccaa taagactttc 300
 ttggaaggaa tgtatcagca attcctcatt tcttatgtat gccccatct tccgacaata 360
 catctttaga tggttcttgg ggcaagtagt ccccttg 397

<210> 12658
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 12658

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 tgctcagaaa cagcaatatc tatcactcca tcagtaggtc tgcccagata tttgttgatc 120
 acagcagggg agaatctaac acactttcct ctgacaaata ctttttgata ctcatcactc 180
 tttctgtttg ttatgtcaga gggaatgttg acaatgaatt ccctgactag gccttcataa 240
 cagtctccca atttggtgac tgtcttcagt agtccagcag cctcgatgag gtccatgatt 300
 tccttgcaat ccaaggcatt tcttcccatt tctctttcta aagcaagcct tcgttgatat 360
 acaaatttcc acctttcaac attgccaatg gagtggaaaag agatgttg 408

<210> 12659
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 12659

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 caaaagaaaa ttaaaaccta tatagatgaa caacttgaaa agggagatca aatcgacta 120
 gcactcacca aagccatcga agattcttgt atatctattg tcattcttctc agataactat 180
 gcttcctcaa agtggtgctt gggatgaactc ttcaagatct tggaatgcaa gaaagaaaaa 240
 ggacagattg tgataccagt gttttacaat atagatccat cccatgtgag gaagcaaatt 300
 gggagctata agcaagcctt tgcaaaactt gagggagagc ctgaatgcaa caaatggaaa 360
 gatgctctta ctgaagcagc aaatttagtt gggttggact ctaaaaat 408

<210> 12660
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12660

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 ttaagaaggg ggggttgaac taacatattg caaactgttt gccctaatta aaaaaaatct 120
 atgtgacttt ttactcttgt tatgaaatcc cttaatgaca atcttcttaa atattaatcc 180
 aaatgaagca tcttgaatat gaatatacag ctttgataag taaaggagat tactggaaga 240
 tgaatacgct aacatcagtt ttatacttgg tcggccacac ccttgtgcct acgtacagta 300
 cccaagcaac ccgcttgaga gatccactat cttcgcaaat cctttcaciaa gttctaaaca 360
 cacctagaca atccttccct tgtgtctata gatcct 396

<210> 12661
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 12661

agcttgtgag gatcgggtgt tgtctttatg tcaaactctc tcacggagtg atttgttgga 60

gagcaagctg tttatcaaac taaccaacta catgataata tttcaaagat tcagaccct 120
 gtgataacag aactagatat aaacactaat tttaatctat atatgatcta taaaaaaagg 180
 gaataccatc tgctagttag acatctgaat atcttattaa ttatgtacta tttttcaatg 240
 tttataaatt tagaaaatta cggccaattg ttagtattca acactttttc aagttttatg 300
 aatattaaac ttctaaccat tttcttaaat aatatttaaat gcattttttaa tttatcaaac 360
 aattagttca atcaaataatt ttttttggtg actcacgtta aaaag 405

<210> 12662
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12662

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 ctggagaggt tcaccagcat atttcctttg atgcatgaca atcccatatt cagtccacaa 120
 gaattctaac ccaaggaaat atgacaattt ccctaagtta gtcatttcaa attcactcat 180
 catgagtga gtgaaattat caatctctgt tgtatgatta ccagtcacta gtaaattcatc 240
 aacgtatagg cacaccatta acaccttggt atcctccttc aacatgacat aaactccatg 300
 ttctaccaca caccttttga agccaagttg agcaagatat gcatcaattc tctattcca 360
 tgctct 366

<210> 12663
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 12663

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 caaataggt cacgtctaataa ataatataaa ttgtaagttc aacatcgggt ttcaataaaa 120
 aaaaaaaaaa aaaccaatgt taacaacttg atgttaacgt taacatcgat tttattaaac 180
 aaaccgatgt taacgaacta aggttaacat cggttttctg aaaacccgat gttactaat 240
 taatgttaac atcggttttt ccaaaaccga tggttaaagtc acttcattaa catcggtttt 300
 cttcaaacat gatgttaacg tatacacatt attcacaatt atgccaccgc gttatcttaa 360

catcggtttt ttaaaaaacc gatgttaata aagtctcatt atttatcatt 410

<210> 12664
<211> 407
<212> DNA
<213> Glycine max

<400> 12664

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taaactctgg cacaatagac ttggtcattg ccatcttgaa agaatgctaa acatgaaaaa 120
aagggaaata tgcaaaaagaa aatttgaaga agtttcaaat ggaggaatgc aaatctgtta 180
gcacaccaat gaatcaaaag gagaagttca gtaaggaaga acgtgttgat aacaattatg 240
aaggatatta tgggaacttg attggatgac taatgtatct cattacaaca aggccaaaca 300
ttatattttc tcaaaagaac aaaactggaa tttttgttga caatcaagta gtcattgcta 360
ttgcaaacaa tctcgtgtgt catgggaaga ctaaacadat taacatc 407

<210> 12665
<211> 423
<212> DNA
<213> Glycine max

<400> 12665

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ttactgggtt agctccatcc tctaaattta ttcgatgcat acatgtggat gggctagtag 120
caggaatgtc cgccaggggc caacctatag cttcttatg cttcttgaga acagacaaca 180
acttctctc ttgctcatca ctaagggagg cagatataat cattggaaaa cttttgctat 240
catccaagta agcgtatattt aaatttgatg gcagaggctt caattctggt gtggttggt 300
gggtagtggg agaaggagat ggtttctcag cctgtacctc ataaagaaag tcagaggtat 360
gtgtacttcc tgaaacatgg ttagtcctat ctgactctat aaaatcaatc tcaagaggca 420
aaa 423

<210> 12666
<211> 367
<212> DNA
<213> Glycine max

<400> 12666

actcgggcaa gtgtggccat gtactccgct ttacttgccg aaagagcaac aactgattgt 60

tgatttgctt tccaactgat tgtgtacca aacaaagtaa acacatattc tattaagac 120

ttccttgtgt ctacatttcc tgcaaaatct gcatctacat atcctgtgac tgctgcctcg 180

tgtgctgtct tcttgtacct taaactagct ttcaaagatc catttaaata ccttagtgtc 240

cacttcacag cttcccagtg tgcactgccg ggatctacca tgaatctgct tataatactt 300

acaacatgag ccaagtcattg ttactgcaa accatttcat actctattgt tccaacacca 360

ctggcat 367

<210> 12667

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12667

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gatctttggc agatactatg ctatatggca caccatgtaa ctagacaacc tcacttatat 120

acaagggtgt gaacttctcc aaggaaaatc tgatattaac gggaatgaag cgagtagact 180

tagtcaatct gtcaacaata acccagatag aatctaaacc tctacggggt ctaggttgtc 240

ttaccacaaa atccatggaa atactgtccc acttgcaactg gggatatctt aacggttgta 300

acttccctta aggtctctga tggttatatat tatccttctg acagactacg catgcataca 360

cacactcact aacctctctc ttcattgttg gccacaaaa catcatcttt 410

<210> 12668

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12668

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tgcacaatca gaatctctat atcttgactc atccactgat ttacctttct catctaagtc 120

aaggtaggtt gaagttgtcg ttggagtata tgggtctttg cattttttat gccaaatttc 180

ttaattagtt ctatagagta tttggtttga cataggaagg ttccatgttt catctactgg 240
 acttggagtc caaggaagaa atttaactca cccatcatag acatctcaaa ttccttctac 300
 atacaactag aaaattcctt acacaaaatt tcattactag caccaaataa aatatcatca 360
 acatatatatt gaacaattaa caactcacta tttactttct taataaaciaa tgttttgtca 420
 act 423

<210> 12669
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 12669

gcttctgttt tcaaattcga gattctcaat attttacgtt gactttatcg gacatctgag 60
 ttaaaagtta ttgtcgtttg attttgctga gagcttctgt tatcaattac gagcgtctca 120
 atatattacg agacttaatc ggacatctga gtaaaaattt attgtcgttt gattatgctc 180
 agagcttcta ttctaaattt caagcgtctc aatatattac gggacacaaat cggacatccg 240
 agtaaaaggt tatggtcgtt tgaatttgca gagagctttt gttttaaatt tcgagcgtct 300
 cgatatatta cgagactcaa tcggacatcc gagtaaaaat ttattgtcga tagaaaattc 360
 ttagagcttc cgttatcaat tatgagcatc tcgatatatt acaagattca ttcgttgatc 420
 cg 422

<210> 12670
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12670

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 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
 tgggtgttcct agacaaaacc aaattgatgg tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatgggttga 360
 tacatggacg gagatgaaaa agatcatgag gaagcgggtat gt 402

<210> 12671
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 12671

tgtatgagta ctgggaaaga ttcaagaaat tgtgttctgt ctgtcctcac caccagattt 60
 ctgagcaact cattcttcaa tatttctatg agggacttaa caacatggag aggagtatga 120
 ttgatgctgc tagtgggtgga gctcttggtg atatgacccc tgctgaagct aggaatttga 180
 ttgagaagat ggcttccaac tccaacaat tcagtgaag aaatgatgct attgtcctta 240
 gaggagtcca tgaggtggcc acggattcat cttcatctac tgaaaataaa aagcttgaag 300
 gaaaacttga tgccttggtc aacctagtaa ctcagcttcc cataaataag aaatctgcac 360
 ctgttgcaag agtctatggt ctatgttctt ctgcagatca ccatacagat ctctgtcct 419

<210> 12672
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12672

agcttgtgaa gcgtngcaat gtagtnatta tagtacagng cagggcctgt ctctttgtca 60
 tagccagcaa gaaggatggt cacagagtat gggttctata gaaaaaagaa aattaatggt 120
 tgaggcttca aatgaatcat taaccaacta ttgtatggtc taaggcactg tttggataat 180
 atgaattgat ctcataaagc taaataggag aagtaagatg aataagagca taaattgatt 240
 ttagcttctt aatttgtttt cctataagtg agagccaaag gacatgatat atgagagtta 300
 gggtttagaa gagatacctt gcggagagca gtggcaagtt cgccacgtgt gaaattggcg 360
 gcggcggcgg tggtagagagg gatgccgtta 390

<210> 12673
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12673

tatatggcaa ottactgaat gggacaattc cttcttggtg tttatctttg ncatctttgg 60
tggatttaga tctatcagga aaccaattat caggccatat tagtgcaatc tcatcatatt 120
ccatggagag attgtcttta tcccacaaca agttacaagg caatattcca gaatcaattt 180
ttagccttct aaaccttact tacttagatc tatcatcaaa caatctaagt ggatctgtca 240
aatttcacg tttctccaag cttgaaaatt tgggaagact tcacctttca cagaatgatc 300
agttatcact aaatttcaaa tccaatgtaa attatagttt ttcccattta ttcagtttgg 360
acttatcttc tacgggttta actgaatttc caaaattatt gggaaaagtc ccaagtttgg 420
aatc 424

<210> 12674
<211> 415
<212> DNA
<213> Glycine max

<400> 12674
agcttaagct ccttaaacac aggctgaatg tgtggattat agataacaca gcagatgtat 60
gttctcaagt aaagcaactt cagcagaatc tgaatgactt ggaaaattca atgtcatctc 120
agccttcgga gcagcaagct aaacagctga agaaagtcca atctgagctt tgggaaaaag 180
ctaactttca tgaatctatc atgagacaaa agtccagaag taaatggatt aaagaggggtg 240
atagaaatag ctctgtatttc cataagctaa tcaattacag cagaaggaga aatgctttta 300
ggggctctgat gattgatgga gcttggggttg aagacccttc cttgggttaag gctgaggttt 360
tgcagcactt tcagaacaga ttccaagaac ctcatgctca tagacctaat ctaga 415

<210> 12675
<211> 433
<212> DNA
<213> Glycine max

<400> 12675
agagatcacc tgagtgcagc cgcgctccta cctacaggag acggaccatt tttgtgttgt 60
agaatatcaa cgaccaggcc tacaagattg acttgcttag tgagtataat gtaagtgcc 120

ctttcaatgt gtctgggtcta tctctttttg atgcagatgg aggagccttg gatttgagga 180
 caaatcccttt tcaagaagga gggagtgatg aggacatttg ataaaatttg gtgagagttt 240
 ctctctgggt tccttggtga accaattatc agacttatca aggtaatcct tgtggcgtct 300
 acccagactt atcttccttc attggaagtg gcgtctaccc ggacttatct tccttcaccg 360
 gaagtggcgt ctaccagac ttatcttcct tcaactggaag tggcgtctac cctgacttat 420
 cttccttcac tgg 433

<210> 12676
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12676

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 aagttccatt caaatatcta aaaatgcatt taacagtaga taactaaact tcccttggtg 120
 ccttttagaa tctggcacia aggtatacac tgaacataat gtcaggctctg gacgcaatga 180
 gatatgaaag agatctcatc attcctctgt atgtcttttc atccacctgc tttgattctt 240
 cgtccagtcc aagtatactg gttggatgta tggggctttt attgggcttg catcgccat 300
 cttgaacttc ttcaaaagtt ccttcacgta cttggtttga tgtatgtata tgccttcac 360
 tattttcttg atctgaagtc caaggaagaa cttcaattct tccatcatc tcactc 417

<210> 12677
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12677

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 acattgacac cttagtgatt aggttggttc tcccatctct gatggaaaga cttgaatctt 120
 tcatgtgaat atcatagctt tttttgagta attgtcctaa actcaaaata ttgttcttca 180
 tatttgggac gtagtaaaca tttgatatga attcatgtcc tccatctttc aaacgaatta 240
 agatcttacc ttgctttt acatgagtct tagaattatc accaaatgag acattgccac 300

ttattgattc gtcaagatcc acgaacatgc ttcttttttc gcacatatgg ttgcttgac 360
cagtgcaag gtaccatgtg tttcttggc taccttcatt gcct 404

<210> 12678
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12678

ttgagccaat tcaaacgaca atatctnttt atttgatat ctgatttgt cccgtaatat 60
aacgagacgc tcgaaattga atgttgaagc tcttagcaaa ttcaaacgtc aataagtatt 120
tactcggatg tctgattttg tcccgtcata tatcgagaca ctcgaaattg aatgttgaag 180
ctctgagcca attcagacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagac gctcgaaatt gaatgttgaa cctctgagca aattccgacg acaataacta 300
tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgcaat tgaatgtcga 360
agctctgagc aaattcaaac gacaataact ttgtactcgg atgtctgatt gag 413

<210> 12679
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12679

agctttgata tatattcana ttaagatatt tttatattcg gatgtccgat tgagtgccgt 60
aatatatcga gacgctccca attgaaaaca gaagctctga gcaaattcaa atgacaataa 120
cttttgactc ggatgtccga ttgagttccg taatatatcg agacgcacaa aattgagaac 180
agaagctcta agcaaattca aacgaagata actttatatt cggatgtccg attgagtccg 240
gtaatatatc gagacgctac aaatcgaaaa cagaagctct gagcaaattc aatcgacaat 300
aactttttac tcgtatgtcc gattgagtcc cgtaatatat cgagacgctc gaatttgaaa 360
acggaagctc gtatcaaaaag tcaaccgcaa taac 394

<210> 12680
<211> 409
<212> DNA

<213> Glycine max

<400> 12680

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ccagacgttt aatgactata gatccatctc cctcattggg tgtatgtaaa aagtaatagc 120
caaattattg gcatacagac ttagcaaagt gatggttgac cttattgatg aaaggcaatc 180
ggctttttata aaggatagac acatccttca tggagctttg attctcaatg aggtagtaga 240
ggaagctaaa aggtgtaaga agccaacatt gggttttcaa gtggactttg aaaaggccta 300
tgactcgggtt tcatggtcatt ttctggagta tatgctggat aggatgggtt tttgccttaa 360
atggagaaat tggatcaatg cttgtatgca atcagccact gtatcagtc 409

<210> 12681

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12681

agctngagaa tgcaagaact tatgtgcttt tgccacgcca acggcgattt tgcagcgccg 60
ttgccaactt aaactgttga caatttcgct taactttctc ccctcctcgt gctcgtacac 120
caagtaccct ctcttccccc acctacacgt cgcaataagg ttaatgatat tcgggtgacg 180
aacctttcta atttttactg tctcttccca catactcatt ggaagtgaat tcaagtcgct 240
gatttccttc accacgaact gcatgtcgtt ttccatgcac ttcccttcgt accaaaccca 300
gtttgttcct ttcgacacaa cttttccttc ttaaacggtt ttcaaaacat cgtctacatt 360
gatcaacctt gc 372

<210> 12682

<211> 420

<212> DNA

<213> Glycine max

<400> 12682

agaccctgag gcacctgccg ctgcgactag ccccgacagg tgggtgattta ttgttttgga 60
gaggatcgat aactatgcct atatgttgga cctcccagaa gagtatggag tcaacaccac 120
ttttaacatt tctgatataa ttctttttgt acgtggagct gatattgagg aggatgaact 180

aactgacttg aggtcaaate ctcttcaagg ggaaggggat gatgcaatcc tccctaggaa 240
 gggaccagtc actatagcca tgagcaagag gctccaacag gattgggcta gagctgctga 300
 agaacgccct atgggttctca tgaacctcac ggtagatttc tgagcccatg ggccaaggtt 360
 gggccaatt atctttgtac atattagact aggatgtcat tataatctgat ccttgtattt 420

<210> 12683
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 12683

tcacctgcca cacagttaag gcattatatt ttcccttatat catctctgac atatttatta 60
 agcagttgtc agattaaatt atttttaagg atatattgga tattttttcct tcaaacaaag 120
 gattagtata ttactttgta agtggttttt tgtgttttaa cattttataa taaaagtaat 180
 attttctgtt aaaacattct tttcccccca tcggatcctt tagtagaaat attttagcca 240
 ctgttttagt aatgaaaccc ctcttacgat ttaataacaa atcaaatata tattattata 300
 tccaaaatta aatataaaat tgttatatat ttgtcataac ttgtattgtt ttaattcaga 360
 ttgctttaat tcatgttttc attttcaact atttaaacac ataacttcat atcag 415

<210> 12684
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 12684

agcttatagt atcatttatg ttgcatataa caaaatattt tgcgcacaca gttatatgat 60
 cgtacctcta tatcacaaca accacagact atcccgtttc cctgtttgta acctccaagt 120
 aatttctgaa acacacatta atcatggaaa agaataaaaa tcaagtgcaa atcaacccat 180
 aagcaccaaa tgacaaaaaa tatttaaaga aaatattaag acacctgtcc ttgacatag 240
 taagccaact cagcaccatc tggtagccca ttggcataa aaagcaacct gtgtaaatca 300
 ttgtccctga taaaagcaaa aatcaaatt caaactacag tagctaagct attgcaattc 360
 acatagagaa gctagaggaa tggaacaggc atccccaaaa ac 402

<210> 12685
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12685

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ttcttctagc cacgggagtn ataaatatta tccttgaatg tatgcaaadc ttaatcatgt   60
gagtaatatc aactaatcaa gaatntagct aagcaaatg atgacacaaa agggcaaata   120
tgaaagtaaa ggggtagtaa gacagagcat taccactttt atttgtgacc aacacaagaa   180
catctccatg aagtgatccc cttttggagg cctcgtgaat ggctctgaag ttggatcctc   240
caccagacac gaatactgct agctttttcc ttcccaccgt gacctgagcc gttacctcat   300
ggccctcctt tggttctgca gcactactac tactactact actactacta ctactactac   360
accatatcct cctccaagaa ctagaacaca cttctntgtg cacaatgctg ataggatgga   420
cagctctgc                                         429
  
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<210> 12686
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12686

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atggatgtat ccatgcttat tgatttcttt tctgtgtatg tgacaggggg ggaaaaggag   60
tgatgggcga acacctgacg gaatacgtcc aattaactcg agatgtggcc tattacctat   120
agcacatgga agtactcttt ttacaagagg cgagacacag gtctgagcca actntatatg   180
ttttccagtt tatgctcttg atgatatctg atggtgtcta tatatgctta tgcaagtcac   240
attatctctt ttctgtgttc gtagctttat tacaacggag atcgatgat caaacacaaa   300
cgaggaacac aactaataat gctgactcct tggaccttaa cacacttctt attaaagtct   360
ccattgtagt cacctggata tatctaaaac tagtgttgga gtcagatttt gatactcacg   420
ta                                         422
  
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<210> 12687
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12687

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tatataatgt ttggtcttgt gtgtcaaata tcataaacta cccaccacac tcttgaaatc 120
tatagcatcc agttttcttg cttegtcgaa ctttgataac ttcattntgc actccatcag 180
tgttccaatt ggcttgcac tatccatctt gaatntatta agcatcttct ttgcgtagct 240
ntgcagtga atgaagatnt catcttcttt ctgctctacc tcaatggcaa gatagtatga 300
cattnttccg atatcgggtca tctcaaactc cttcatcatt tctttcttan actctgaata 360
attgtatgcc ataagtatat ttgngattaa atcatataag aattgtaatn ttcctctcta 420
tntcttcttt ttggtgaata atat 444

<210> 12688
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12688

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ccgactactt tcaacccctc ttgaacacta aggtttaaaa tgtgagcaca acatcagata 120
tgaaaaaatt caccaccact tactaaacca ttagtatgca aaagtctttc cttcaaatag 180
tcttgcattt tatcattgga agaagcatca tctagaatta atgaaaatat tttctgctca 240
atccaccatt cttccaaaaa aaaccatata taactttagc catctcacgc cccgagtgtg 300
gaggaggaaa atgagaaana ttaaccattt taccattcaa cttccaattt gcatcaacat 360
aatgcgcagn taatgaaata taacctcaga agtacaagat 400

<210> 12689
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12689

atgctagacg anatatagat gggaatagag gtaacaatgg cggtaatgac ggaccgaggc 60

agaaccgggt tgagggagta aagctcaatg ttctctcctt caaaggtaga agtgateccag 120
atgcctacct ggactgggaa atgaagactg agcacgtatt tgcttgcaat gactacactg 180
atgcgcagaa agtcaagcta gcagcagctg aattctccga ctatgcctt gtttggtggc 240
ataaatacca nagagaaatg ttgagagagg aacggcgaga ggtagatata tggactgaga 300
tgannagggt gatgagaaaa aggtatgtgc ccactagcta taacaaaacc atgcgacag 359

<210> 12690
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12690

ctactggaga gaatgtataa tatatatga tccaacttg ttgagtatat cctgtggcaa 60
tcaatcgagc tttgtatcta tctatagagc catccattnt gtatttcacc ttatacactc 120
atctacatcc aatatagtgc ttatcagggtg gtaatggaac aagtgtccaa atggaatatg 180
cttcaagagc ttggatttcc tcattcattg ctgcagccca ttcangataa gaagcaactt 240
gatgataaaa ttgagattca tagacaactg anatgtgatt aatgaaagct ctgtaaaggg 300
ggctaagagg caacaaggag caataatgtt ggatgggata tgcagcctga gaatgtgaaa 360
tgacataatc agacaagtat aaggagggt tagagtggcg tgtactcctt cttaaagtaa 420
ca 422

<210> 12691
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12691

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tgccattgat cttcaagaag caaaggattt cattgatgaa gaagatccaa ggcttacaag 120
ctctacatgg agctacatca tgtgggtatca agagcatctt catctaagtg atgttctttt 180
gcttctctta tcttttggtt ggtcaattca ctntaattcc ttgttcttca tcatattctc 240
catgtatctc ctccattatc ttgtgggttg gttctgggta tagtagattc aaaatataaa 300

tcgataaaatc ttagatctat ac

322

<210> 12692

<211> 484

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12692

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ctntgattct tttttctgac cgaatgaagt gatatactaac atctatatgc ttgggttctat 120

caagatgaac ctgataccttg gccaaagcata taacactaag gctgtcacaa tagatgttag 180

caaattcttg attaattccg agatcattta tcagacctct tagccaaatt ctttcttttg 240

caacttcagt aagagccata tattcagcct cagtagttga gagggaaaca gaagggtgaa 300

gtgttgccct ccaactcacc aagcaaccac taagggtgta agcataccct gttaatgacc 360

ttctcttgac caaatcagca gcaaaatcta catcagaata gccagtgagg cagcaatctg 420

ggtgagatcc atagatcaaa cctacatctg tagtcccttt aagatatctg annaatctct 480

tcac 484

<210> 12693

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12693

tgaacttaga gaatgttcaa agtggaagg tatttgtcga acaatttggt accagatatt 60

ctcttgaatc ttcatatat agccttttta ttcatatat tgttgtgagt gagagttaat 120

tcaatcaaaa ctttatgagt cttcattaaa tgcatagaaga cttctattat gattcctgat 180

gcaatcctcc ctangaaggg attaatacacc agagccatga ataagaggct ccaagaggat 240

tgggctagag ctgctgaaga aggccctang gttctcatga atcttangat agatttctga 300

gcccatgggc catgggtggg tcaacttatc tttgtacata ttagattang atttcattat 360

ntttgggcct tgtatttagg gctccataat atangtaggg tattcctata aattangaat 420

tttcagccct tgtatatt 437

<210> 12694
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12694

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 actcaaatgg ggctgtccaa tcacgtgcct gaatgatatg ggtggtagtc accgcacgct 120
 tgaggtaagc aaaagcctct ntgcacgggt catcaaaatc aaactccacc tgcttttgca 180
 gcatattgga tagtggaaag gctattatgc taaaatcctt gataaagctc ctataaaacc 240
 ctgcatgacc tagaaaataa cgaacctctc acatgcaaca ggggtaacgg aatcgtgaaa 300
 taacatctaa ttaagcacgg gctacctcta tgcacctatt caaaatgata tgccctaaaa 360
 ctataccttc gtctaccatg aagtgaca 388

<210> 12695
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12695

gctgtcaatc ttttgagcaa agacaacacc ttatgcgtaa gtggatgcat cacacataaa 60
 ctcaaatggg gctgtccaat cagcgcctg aatgatacgg gtggtagtca ccgcacgctt 120
 gaggtaagca aaagcctctt tgcacgggtc atcaaaatca aactccacct gcttntgcag 180
 cagattggat agtggaaagg ctattacgct taaatccttg ataaagctcc tatgaaaccc 240
 tgcacgacca agaaaataac gaacctctca catg 274

<210> 12696
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12696

gaactttgaa gttaattcta aatgatcaaa gtgaaaaaat gcacacacat ggcctctatt 60
 tatagcctaa gtgtcacaca aaattggagg gaaatttgaa tttctattca aatttcactt 120

gaatttgaaa ttgaatttgt ggaaccaa at tttggagcca aaatttcact aattatgatt 180
 agtgaattnt agctatgggt caatccacta atccaagatc aagtccaaga ttctccacta 240
 cgtgtgctta ggtgtcatga gccatgtaaa gcatgaagga catgcacaaa gtgtgactat 300
 atgatgtgac agtgggggtgt agcaagcaaa tgctcacctn cccctctaaa aaattaatgg 360
 atttggattc tcccaattca attaaattta tttcccaaca tacacatgac atat 414

<210> 12697
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12697

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 cttctcatgg cactgaggtc aacatgcact ntataaaata atcatattgn ggctcgtgcta 120
 ttttatgaca catacgtatt tgcacacata aaaattttgt gtgaaacatt ntacaacacc 180
 tatccatgta catatttttt tgacaaacct tttcaatgct acatcctata tatatacaca 240
 cattnntttg gaaggcttct tttgttacct actcacaat acacatattt tgaanaacac 300
 ttttacgcta cccatccaac actttgtaag gcacttcatt ctatatatat tcatattatg 360
 caaggcattn tcatgtcata tgtattcata tnttgcaagg gcattttatt aacattntgc 420
 aagcatttcc atgctatata tatattcaca tatatacata c 461

<210> 12698
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12698

ctcagctntc catgaataag aaatctacac ctgttgcaag agtctgtggt ctatgttctc 60
 ctacagatca ccatacagat ctctatcctt ctttgcagca atctggaatc aataagcaac 120
 ctgaagctta tgctgcaaac atttataata gacatcctca gcagcaaaac aaacaatagt 180
 agaataatta tgacctttca agcaatagat acaatccaag ttggaggaat catccaaatc 240
 tgagatggac aagtcctcca caacaacaag agcctgtccc tccttttcag aatgctacta 300

gtccaaccaa gccatatgtt cctcctccaa tacagcaaca gcaacaacaa cagtcacaac 360
aaagacaaca agcaact 377

<210> 12699
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12699

gataattgtt gtaactatgg ctgtggtctt tgtctattga tgaagatatt tattggagca 60
tttaatacat gtcactaact tgtcaactaa tatgataaaa caaattgctt atctttctat 120
ttttgcactt tcatatcttg tgtaagagga catataaact gttacgaacc aaattatatt 180
aactttttct tcacttttca tcactttctc catattgtat agagaataaa acattcattc 240
tctatacaac aacatatcaa attctcaaag aattaaatat gtataaatgt tgagactcaa 300
caatcataaa ctntctttgt taattctctc taatgcacgt taagacacta aatttatatc 360
ttaacattnt tntacttaca tcaaaatggt gatgggtctt aatttatggt atgactcaat 420
actntatact acttannaca tanagaaaca catcacata ttaacatttt atagttaa 480
agctcattat 490

<210> 12700
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12700

actatgatgt tcttgaacta cctttagatc caacggtttc tcagatgaag aatcacagag 60
aaaggaagac taataaggct aaggctaaaa attgcctttt ctctactgtg tcaaaaatta 120
tttttacaag aattatgaat ttcaagtctg ccaaacagat ttgggattat ctcagatcag 180
aatatcaagg ctgtgaaaga accaaaggca tgcaagtact caacttgggc agagaattcg 240
agatgcagag catgaaagag actgaaacaa ttaaaggcta cgctgaccgg ctgttangca 300
tagcanatag agtgaggctt cttgggaagg actntcctga tgaaagaata gtgcanaaaa 360
tcctggtcac tatacccgag aagtatgaat canagatatt agcattggag gagtctaaag 420

acctttcaac catcaccttg ggagaacctc ataatgctct ac

462

<210> 12701

<211> 477

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12701

ctcttgccctc actcaccgcc ttagacatct tagaactgat acatatgagc atttgtggtc 60

cttttccaac accttttttg aatgagtaac aatattttat ctcgttcata gatgactact 120

ttagatacgg ttacctttat ttgatacatg agaagtctca atccctagac gtttttaaga 180

gtttcaaggc tgaagttgaa cttcaacttg aaaagaaaat taaggctgtc aaatctgacc 240

atggtggtga gtactatggt agatatgatg gatcaggaga acaacgtcca tgaccttttg 300

cgctntttct canagagtgt agaattgttc cgcaatacac tatgccagga naacctagca 360

tgaatggtgt tgcagaacga tgaaaccgaa ctcttaagga tatggtgaga agtatgaata 420

gtcattcttc tttgccatag tcacttttgg gagaagcctt anataccgca gcttaca 477

<210> 12702

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12702

ggagacacat gaacagcgct aggcaacgac tttcatggcg ctccgaacaa aggtggagta 60

tggaggattg ccttgagggt ccgcacttag gcaatcatga aactaagctc caaactcgaa 120

agtggaggac acatgaacaa ccctaagcaa taatattcat gtggctccga anaaggatga 180

gaatggagga ttgccttgag ggtcctctct tatgcaatca tggaacacag ctccaaactc 240

gaaaacggag gacacatgaa tgaaaccgca attcattcac gtggctccgg aacaggatga 300

gaatggagga tngccttgag ggtcctctct tangcaatca tggaacacag ctccaatcat 360

ggaacacagc tccatactcg anaacggagg acacatgaat gacaacgcaa ttcattcacg 420

t 421

<210> 12703
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12703

gacagcctca tgcacaacaa gccggttcgg cgactnttta cgttccagaa tcgcggtcga 60
 gaagtccttc ttccccgatn tcctgcgttt ccaaacaaaa actccaacat caaacaaacc 120
 tcacagtcca acaagctcca tagtatagtg agcaaagaaa aagaanagaa caaaaagaat 180
 tgtgattcct gaaatgaaat caacgaaggt gcagagagtt gactcacggg tccgatgatt 240
 cgccttgctg tgacatcctt gctggaattg aagaagatga tgatcaaagt gaagaattca 300
 gaaagttcag aacctaag 318

<210> 12704
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12704

cttcttctga ttgtaatggt gntttgtgca ttcactatgg ccacttctcg ccatgcaact 60
 ataccatcct ctgcatcact cacattacaa caaactgaag caaatgcttt gttgaagtgg 120
 aaaacaagcc ttgacaacca aagtcaggct ntgctatctt catggngtgg caatactcct 180
 tgcaattggc ttggaattgc ttgtgaccac accaaatccg tctccagcat aaatcttaca 240
 cacgttggat taagcgggat gcttcaaact ctcaattntt catcacttcc aaacatcctc 300
 actctagata tgagtaataa ctccttgaaa ggaagtattc ctcncaaatt tanggtgttg 360
 caaaactcac tcatcttgat ttaagtgaca atcacttctc tggacaaatt catctgaaat 420
 aactcagtgg tcagcttcgt g 441

<210> 12705
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12705

gagcgatctc gaggattcnt agcccagagg ttgttgcata gacattgtct ctgtttatag 60
tccatttaaa aaggcattat taatatccaa atggcacaga ggccacctat ttgtgggagc 120
caaggtgagg ataacctgga tggtttctgg tttgaccaca gtagaaaaca tcttagtaaa 180
atcaaagtcc aaaaatttga tgaaaaactt tggcttcgag gcatgccttg tagtgataaa 240
caaaaccatt agcattttct tttattcaat aaaccctatt gcaacctata gcttgtatat 300
gaggaaatgg tacacgcgcc caagttttct tgtgcagcan agaattatac tcatgtgtta 360
catggcagca tgccattgag gatcccgcaa ggcaagtntg nactcttgg gacatgaata 420
aagaatatac gagagatgcg acagggaatg atacccta 458

<210> 12706
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12706

cataagcact tagactatga aggaaagctg gagttgctgc acatgatgtc caacgttatg 60
tcaaagaata agatcgggct gcacaatgca caaggcaaga taaagtgtca aatgaagaat 120
tgaagctgca ggattcacga tgtcggatat aatgtccagg acatcctgcc tgaaaatact 180
ggaattgcta aaagcattga agctgcagga tccacgatgt cggatacaat gtccaggaca 240
tcctgcccga aaatactgga gttgctaaca gcattgaagt tgcaggatcc acgatgtcgg 300
atacgaatgc caggacatct tgcccganaa tactggacat ataaatctgt tatatctgta 360
acagattatt gtgcagttag caagagatta gatgatctat ctt 403

<210> 12707
<211> 433
<212> DNA
<213> Glycine max
<400> 12707

atcttcgaac tgtcatcgct tcattctcgt ggcgatagat tatttcacca aatgggtcga 60
agcggcttct tataccaatg tcacgaggaa tgtggtggtc agattcataa agaaggaact 120
gatttgcga tacggactcc ctaggaagat cattaactaac aatggcacta atctaaacaa 180
caaatgatg caggaaatgt gcagggattt caagatccag catcataact ccacccccta 240

tcggccaaag atgaacggag ctgtagaggc agcaaataaa aatattaaga agattattca 300
gaagatgaca gtgtcataca aagattggca tgagatgctg ccttttgccc tgcattggata 360
tcgaacctcg gtacgaactt ctactggggc aacgctgtat tccttggttt atgggatgga 420
agtgttactc tta 433

<210> 12708
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12708

tcatgaagtg tataatatgg atcactntca attctatata naagattaat attaatgtg 60
ttctaaatta atatacaciaa ttataaaagc aagaatttct ctttgtttat cttcttaatt 120
atatatttta taattttctg ttttttcttt aaatagacat ttatagtagc attagtataa 180
aatttctctc tcaactttct caaactacta ttatgttact ttatctatat atttatattc 240
ttaatcacca atctcttata tcccatntt tttatcacaa tgtgtgaaat gaactttgat 300
aaaaataaat aaatatcaat aattaanaaa ttatataaaa atataaatta tctactttga 360
tttcaaaata tantttatat attanaaaac gtttatntat cataaatatt aattatataa 420
caacaaacat ttattacatg tcattcacaa gttaaactac t 461

<210> 12709
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12709

cactatacaa gatntcttnt gctccttagc ctctcatca acctcactag caatcaagac 60
tccatgtagc agctgtcgac ccttaacaaa tgctgactgt ctttcatcaa caagatgac 120
cagaacctta ctagcctat tagataggat tntggcaata atcttgtaa cacatcctat 180
gagagatata ggtctgaagt gactaatagt ttgaggatcc ttgatcttag gaataagagc 240
aatgaatgaa gaattgaggc ccttangana agcagcattc acatgaaatt ctgctagaaa 300
tcttaagaaa tcacgtttca gctttttcca naactgcttg ataaatctaa nattcagccc 360

atcaggccct gngctnttgt cattgccaca agcncacaca gcagaatata tctcctcctc 420
 tntanatggc tccaccatca natccctctg 450

<210> 12710
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12710

aagcttatga acactaatgt anaaatagaa agcttttttg aaacacgtaa ttaatatant 60
 ttttgtatta caattntatg tatattcgat ctctttgtta tcttctgggt gtnttatctt 120
 cctttgggta ttgtctgtaa gtctctaacg tgctgttttaa cttgaatgca tagatctaaa 180
 catgctgacg taactttgag aacacaaata cgaattagtt aaaaaattac atattcgttt 240
 ctagttaaaa ttatttttta tgtatgcgtt gaaatgactc gttataactca tttctgttta 300
 aaaaaatatt tattttgaac anaataacta aaaatattta atataaatta aactttaaat 360
 aatctttgtc acatgaaaag agatgtttcg ataaattatt tatgccatta atattntaga 420
 atatataaat attataattc tatatgagat taatacatga atatttacga aaaatatcta 480
 tgtagactaa atatatatatt a 501

<210> 12711
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12711

ctatcatact cagcttccca ttcaatgtca agcgtctcga tatattatgg gactcaatca 60
 gacatccgag taanaagtta ttgtcgtttg aattggctcg gagcttcaac attcaatttc 120
 gagggctctcg atatattacg ggactcaatc cgacatccga gaaaaaaatt attgtcgttt 180
 gaattggctc agaggttcaa cattcaattt tgagcgtctc gatatgttac gggactcaat 240
 cagacatccg agtaaaaagc tattgtcatt tgaatttgct cagagattca acattcaatt 300
 tcgagggctc cgatatatta cgggactcaa tcagacatcc gagtaaataag ttattgtcgt 360
 ttgaattggc tcagaggttc aacattcaat ttcgagcgtc tcgatatatt acgggactca 420

atcagacatc cgagtaaaaa gttattgtcg ttngaattgg ctcagagcat caacattcaa 480
 tttcgagcgt ctcgatatat tacgggactc aat 513

<210> 12712
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12712

gatccttaag cacctgctgc tgcagcttta ctcggatgtc tgattgcgtc ccgtatcata 60
 tcgagacgct cgaaattgaa tgttaatgct ctgagctaata tcaaacgaca ataactttnt 120
 actcggatgt ctgattgagt cccgtaacat atcgagacgc tcgaaattga atgttgaagc 180
 tctgagctaa ttcaaacgac aataactttt tactcggatg cctgattgag tcccgtata 240
 tatcgagacg ctcgaaattg aatgtngaag ctctcagcca attaaaacga caataacttt 300
 ntactcggat gtctgattga gtctcgaaat ataaccagac actcgaaatt gaatgttgaa 360
 cctctgagcc aattcatacg acaataac 388

<210> 12713
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12713

cttccttata ataggtgcc atacaatcct gcttttagag ctcacccta ctagaattcc 60
 aagataagag aagggaaatt ccagttgact acagttaaga gaaagagttg catccctaca 120
 ccagccttca gatttaccga ggcacccgaa ttggctntta ttgtaattta tcttaagacc 180
 agaaaccaac tcanagcatc tcagaatata tcttanaact ctaacattat cattagtggc 240
 aaccccaaag aacaaggtat catcttcata ttgtagtata ttaacttcct cttntgcct 300
 tcccacttga tagctgttga agagattcct agctacagct gacctcatca acccagtaag 360
 gccttccact actatattga agagcanagg tgcaagggga tcaccttgct ttanacctct 420
 cttanggaca aattccttag aaggacttcc attaattnaa atggatattg ttgctgtaga 480
 catacacaac catttatcca tntctccat ctt 513

<210> 12714
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 12714

ttgatgccat ctaggacctg atcgagatcc actattcatc attagtttct agagagaact 60
 attccggttg agtggatcca aactccggat gaacacctct taccaccctc agacagagat 120
 cctcaatcgt accctagaat aatacttgcy tgctttcggt catgacagac catctcaatg 180
 gttcaagttt ttatcaatag cggagtgatc atacaacacc gcaaccatt cgggcactcg 240
 gttttcccg ttttaaggtca ttttcggcaa gccccacct tctatccac aatacttgca 300
 aggttcttct ctggtggatg cagtggacaa tcttccatca actctcgagg ccattcatgc 360
 cactctgcag tgcagattac ttatagtga ggcagccatg aacgccacca ttgacagtca 420
 ccgtcgcgat gtccaattct 440

<210> 12715
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12715

aggatcatcg atgcgagggg ttagtcgcaa gtntgagaat atgatttaag agactttcag 60
 gtgaaagaga ggagaaatat aaagaatata cgcgaatgtt ttgaaagatt cttctatcaa 120
 gaagagaatt tcaattttct actttttaga aggaaattga aattccacat tnttagttgt 180
 ttaaaattat gttttaaaat tccaaaattt aaattcttca taacaaaaca tccaaacaat 240
 gaattgtaga ttatagaaat ttaaattctc tgataaataa ctttccacaa ttaaaattct 300
 ttatccaaag gtactctaag gcttactata aaccttccta tgtatgtnga actcactagg 360
 cttgtntacc acacttttag aagttcaata ttcacttagg atcaaaattt catacaacaa 420
 ttcaatcacc aatactaata ttcacaatag ac 452

<210> 12716
 <211> 446
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12716

ctgagtagcc atctgttctg tccgatntgt cagactctga atggaggctc ttgtctcttg 60
ctgaaattgc atattctgga tggtcatttt cctcattaac tcctctaagg aaggttgaga 120
agagttctca gctgcttggt gtctatgttg ttgctactgc tgctgctgca ttgcaggagg 180
aacatatggc ctgcttggac cagtagcatt ctggaaggga gggacaggct gttgttgctg 240
ttgttgttgt tgtagaggat ttgcccattc caaatttga tgattcctcc aacctggatt 300
gtatctgttg cttgaaagat cattaattat tctgctgttg tgttttgctg ctgaggnggt 360
ctattataaa tgtttgcagc atangcttca ngttgctcat tgactccaga ttgctgcana 420
gaaggataga gatctgtatg gtgatac 446

<210> 12717

<211> 257

<212> DNA

<213> Glycine max

<400> 12717

gatcaccacac ctgaatttc acgtcttttc ttcttttgtc ctgaatactc ttctgcctac 60
tctgaatagg tcttattctc tcttgatta acttgacctt ctttaagtggg tgttgtagca 120
ctttacgtcc taaagtgatg ttgtcttcag gttctagcca acacaagaat gttctacatc 180
ttctatcata caaggcttaa taaggagcca ttcccatggg agaatgaaaa ctattgttat 240
agctaaactc tatcaat 257

<210> 12718

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12718

tgagattaac aatggaagca ctgagatat tcanatgggc ataacttata acacggagggt 60
ctgattcagg cgcataatat atcgagacgc tcgaaattga acaacgaatg ctctcgagaa 120
attcaattgg tcataacttg tcacacggaa gtccaattct ggcgcatacac atatcgagac 180

gctgtaaatt gaacaccgga agctctcgag aaattcatat ggtcataact tatcacacag 240
 aggtttgata taggcgcata atatatcgag acgctcgaaa ttgaacaacg aatgctctcg 300
 agaaattcan atgggtcataa cttatcacac ggaggtctga ttcattgcgca taatatatcg 360
 agacgctcga aattgaac 378

<210> 12719
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12719

gcttcgcgat attatttgcg ccttaatcgg tcttncattn ngaaagttat gaccatttga 60
 atttctcgag agctttcggt gttcattttc aagcttctcg atatagtatg cgctgaatc 120
 ggacttccac ttgaaaagtt atgaccattt gaatttctcg agagcttccg ttgctcaatt 180
 tcgagcgtct caatatatta tgcgcctgaa tcggactttc gtgtgtcaag ttatgactat 240
 ttgaatttct tgagagcttt cgttggtcaa ttctgagcgt ctcggtatat tatgcgctgg 300
 aattggactt ccatatganc aagtttgacc atttgaatnt ctcgagagct tccgtgaccg 360
 ttccagggtt aaataagaag aatcaccgga cgacgccgat cgaacatttc ctaatagaca 420
 tcgtccaaat attatcgggg 440

<210> 12720
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12720

agagagagaa aagatacatg tgaagtctaa ttaaatagaa tctagcaagc aacagataat 60
 tccaaacaca aaattcaaca aaatgataac tattggagtt tccagtgggtg gcaggcgaaa 120
 aagaagttaa ttagtgacga gaatactacg atccatctat tccttaccaa gtcgagcaag 180
 ccggttgacc caacgagga ttgactttcc ggtcaatttg agacaaacat cgttacagaa 240
 atggttgcaa ttcttgaaa tgagatggta ggtattgcca gaataatctt gagctagctt 300
 ctccatgaat gctcgaacat ccttggcacc cagatctggt gttccgatga anattgactn 360

tctgaagggtg aacccagggc agtgtttcgg ttgaacttgg anaatccccg ttgtgtcgtg 420
 ctcgttcgca ccanatccat attccagccc atgaactana gaagaaaaga aaaatttaat 480
 ttaataatta tcaac 495

<210> 12721
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12721

atcttgtgtc acgtcctctt canagctata ccctatgtgt taataactca agaaatagtt 60
 catcaaatgc ataagaagaa gaaaggggaac aaagggtttg tcatgttcaa aattgattnt 120
 gaaaaagctt atgataaagt agattgaaaa tgtctgagaa tcaccttag tgattntgga 180
 ctccccaaa agattattga cattatcatg aattgcacct tctccacgac tttgtctatg 240
 aaatggaatg gagaanagct taatatTTTT aagccttaga ggtgtcttag atagggggac 300
 cccgtgtttc cttatttgtt tgttctttgc atggaanagc tgtcattgct tattcaatga 360
 aagtgcanga gaaaagttgg ttgccatta taatttttca ccattggcct agtatttctc 420
 atcttttcta tgt 433

<210> 12722
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12722

tcctcgaagc catctcctgc gatgacaaca ttggaaagtt attttacaag aaatatacca 60
 atcattacaa acaagagcca aacaacactt catatggcgc gagtgtcaac atgcacttta 120
 taaaataatc atattgnggc cgtgctatTT tataacacat atgcatttgc acacataana 180
 atttggtgaa aggcatttta cgacacacat ccatgtacat attttttgac aaaccttttc 240
 atgctacatc ctatatatat acacacattt ttntttggaa ggcttctttt gctacctact 300
 cacaaataca tcacaaatac atatgntttg aaaaacactt ttacgctacc catccaaaca 360
 ctntgtaagg cacttcatgc tatatatatt catattatgc aaggcatntt catgcgatat 420

atattcatat tntgcaaggg cattttattca acatntcgca aggcgtntca tgctacatat 480
ntacatacat acatattat 499

<210> 12723
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12723

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agaagaatgt ggaatttacc tngngtgaan aacaagagca agcctttgct ntgctcaaag 120
aanagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
cttatttttag tgaanaactt catagtgcc cctcaacta cccacctat gataaagagc 300
tttatgcctt aataagagcc ctccatactt gtgaacatta ccttgtttcc aaggaatttg 360
tcattcatag tgatcatcaa tcaactaagt acattagagg gcaaagcacg ttanacaaga 420
ggcatgcaaa atgggtagag tacctagagc catntccata tgttat 466

<210> 12724
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12724

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ctacaccogt tgcaagagta tgtgggtctat gttcttctgc agatcaccat acagatcttt 120
gtccttcttt tgtccttctt tgcagcaatc tggagtcaat gagcaacctg aagcttatgt 180
tgcaaacatt tataatagac ctcccttagca gcaaaaccaa caacagcaga ataattatga 240
cctttcaagc aatagataga atccagggtg gaggaatcat ccaaactga gatggataag 300
tcctccataa caacaacagc ttgtccctcc tttccagaat gatgttggtc caagcaagcc 360
atatattcct cctccaatgc agcaacagca gcagcaacaa cagtcacaac 410

<210> 12725

<211> 435
 <212> DNA
 <213> Glycine max

<400> 12725

taatcttacc tccttgagat aataagctag agcttagcta cacacacccc actaatagtt 60
 aagctcacct ccatgctcaa atacatgaaa ataccacaaa gtctctacta tatagactac 120
 tcacaatgcc cttaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag 180
 gcccaaaaga aggaagacct attctaatat ttacaaagac aagtggaccc aaccttgacc 240
 catggggtca caaatctacc ctgaggttca tgagaatcct atggccttct tcaacagctc 300
 tatcccaatc ctcttggagc ctctactta tggtcttagt gattgggtccc ttcctaagga 360
 ggattgcac atcctcttcc ccttgaagag gatttgacct caaatctgtt ggtgtctcct 420
 cctcatcatc agctc 435

<210> 12726
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 12726

tcttatccaa ggcacattct tgggtggtgat tctccttctt ccatggctta ttccctagt 60
 gatggcacct cctctcacat cttctccttt gtcttccgtt gcatctccat ggtggaaaat 120
 caccattgaa ggacctcact gaagctcaaa gatccagcct ccatagaagc tccaaaagca 180
 aacttcattc aagtggatc acgagcctac cccccaaggg cattggatag aagactccaa 240
 gaagattatg ccagagatgc aagagaaggc cctaagggtc tcatgagcct tacggtagat 300
 ttgggggcca tgggctaagt atgagccac ttatctttgt acatattaga ttaagatttc 360
 attatttttg 370

<210> 12727
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12727

atgccttggg ttacctggta acccaactgg ccatgaataa aaaatctgta cttgtcgcca 60

gactctgtgg tttatgctcc tctgccgacc accacacgaa cctttgccct tctatgcaac 120
aatctgaagc aaatgaacag cctgaagctt atgctgcaaa catctacaac agacctcctc 180
aacctcaaca gcaaaatcag ccgcaacana acaattatga cctctccggc tacaggtaca 240
atctcgggtg gaggaatcat c 261

<210> 12728
<211> 369
<212> DNA
<213> Glycine max

<400> 12728

agctatacta tgcagagaat atccaataat tataccttca tctgacttag catcaaattt 60
tcctaagtta tcttttccat tattcaatac aaaaacattt acaaccaag atatgaagat 120
gtgagatggt tgggtttctg ccattgaaca attcatatgg agttttcttt aaaatgggtc 180
ttattaaagc cttattttaa atgtagcatg tagtgtaac ggcttcagcc caaaagtatt 240
ttggaagagg agtatcattt aataaagttc tagcaatctc ttccaaagat ctatttttcc 300
ttttaacaac accattttgt tgaggggttc ttggtgcaga aaagttatgc tcaatctcat 360
gcttatcac 369

<210> 12729
<211> 359
<212> DNA
<213> Glycine max

<400> 12729

ttgttctatt gaattgatgt tatgtttggt aatttgggtat ccatgataat tgagctatgc 60
aatcttattt gttgctcctt ttttttgggt cattggcata tggcacattg ttgttgctca 120
tacttttctg tctctaaatg ccattgatgt tgtttgcaga ccccggtgag tcagagactt 180
tccggccatt agacatgcat catgggatgg aagttcgctt tgggtctatct aagggaccag 240
tgtaccaag tattatataa ttaaatttga ctgttattct agtaccagaa aacagtattt 300
tgtgatcgaa gcttcttgtt attcattaaa atggaagtgt ccgaggattc tccatatgt 359

<210> 12730
<211> 302

<212> DNA
 <213> Glycine max
 <400> 12730

tctcgatata ttatgcgctt gaatcggact tccgtttgaa aagttattac catttgaatt 60
 tctcgagagc tttaggtttt caatttcgag cgtctcgata tattaagcac ctgaatggga 120
 ctgccccggg acaggtatga ccccttgaat ttctcagaag ctcccgtggt tcattttcca 180
 cttttcgtat tatatggccc ctgattcgaa cttccggggg aaagggtatg accattggaa 240
 tttctcgaga gcttccgatg ttcgatttcg agcgtctcga tatattatgc gcctgaatcg 300
 ga 302

<210> 12731
 <211> 323
 <212> DNA
 <213> Glycine max
 <400> 12731

agcttctcga atattatgcg cctgattcag acttccgtta caaaagttat gaccatatga 60
 atttctcgag agccttcggt gttcaatttc gagcgtcttg atatagtatg cgcctgaatc 120
 ggacttccgt gtgataagtt atgaccattt gaatttgctg agagcttccg attttcaatt 180
 tagagcttct cgatatatta tgaacctgaa tcggacttcc gtgtgacaag ttatgaccat 240
 ttgaatacct agatagcatt cgttggtcaa tttcgagcgt gtggatatat tatgcgccgt 300
 aatcagactt tcgtgtgaca agt 323

<210> 12732
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 12732

agcttccctt tctttggcca atgctgtact tgtttggcag tgatttcctt ggcaatttga 60
 tgctcaaaaa cagcaatatc tatcactcca tcagtaggtc tgcccagata cttgttaatc 120
 acagcagggg agaatttaac acactttcct ctgacaaaca ccttttgata ctcatcactt 180
 tttctgttac atatgtcaga gggaatgttg acaatgaatt ccctgactaa gccttcatag 240
 caatctccca acttgctgac agtcttcagc agtccagcag ccttgatgag gtccatgatc 300

tccttgcaat ccaaggcatc tcttcccagt tctctctcaa ccgcaagtct gcgttgatac 360
 acatatttcc acttttcaac a 381

<210> 12733
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12733

ttaagtcacc tgcngcatgc agcacatggt aagaactagt tgttgatatt tctctttatc 60
 attcattctg ggggttaagaa atggaaggga ttaagaagc atcaaccttt tgcttctggg 120
 aatttgatgt gctctgaaat cccatcaata ttagtgtaat actttatagt tagccatttt 180
 tttcttttta aatttaaagt aaagcgtgat tgacttggtg ctgggttttg atggtgagct 240
 gacatttaat gtgcttggca tcatgcagat atattgtatg attcatgggc tccggcgatg 300
 acagctagtt ctatctgcat caatattctc tcaatgcttt cacgctcaac caciaagggt 360
 gtgaaatttt ttaccatgaa tcatgcattt tctaataact tttgcgctat gatgggatac 420
 t 421

<210> 12734
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 12734

tgacagaaat tgatcaaac ctgaatccca gtcttcta atgtcatctc tcaatagatt 60
 atccgatgat tgcgtgcgga tatgagcatt ccaagatggt atatgggggt gatttgcacc 120
 tttactgtgg ttcttctctt gacgcggtaa gaaccgggca atttcacctg cttaaactctt 180
 catagaatcc acaacatcct ggatgggtaa ttcaccgagc tttccaacc agatttcaca 240
 ggtggcatat attggaggac catacattct taggagtggg cgttgggggtc tctttttctt 300
 gcctggcttt tgtttaagag aaacacattt gtgcagccat ccatttatgg cctccagata 360
 ga 362

<210> 12735

<211> 344
 <212> DNA
 <213> Glycine max

<400> 12735

tatagaccat attgagataa aagagtgcc ccttatgtgc tgtgtaatgg ttagggaggg 60
 cacccaagtg ggctcccttg gtaaagcgat atactactac caggatggca atatatccct 120
 atgaagaagg gaggccagta atgaaatcca gtgatagatc ttgccacaga gaagttgtaa 180
 tgggcaatgg ttagagtaag cccgcaagtc tcttagtctc atattttact tggtggcaag 240
 tgggtgcacag gcatatgaat tgtttgacat tcgcacgcat attggcccag tagaatttct 300
 tatgcactcg atgaagggtt cttggcaaag ttaaatgact acca 344

<210> 12736
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12736

cagcttgnta aatggtacaa gcttttttta ttaattatat aagatattct tattcaaaag 60
 tttgttgaat atctgtgtca tgcgcttaat tagcgcttga tttttcaaag gtaaggaaag 120
 cattaaaagg cttctataga ttgaaaatat ttgaatttaa tttcttaaaa tttcaaaacg 180
 aatcgtatat gttgcaagaa aaaattgatt aaatctattg tataattgaa cgagcacgtc 240
 aaatacttaa aaactgttaa ataaaaatcta aaacgtgcta gtcacactca ctaacatgaa 300
 aaaatatatc ctgatcttga gacattcact aaacagaaat ttaaaatata tgattctcta 360
 taatatactt aatcagtatg tacatttttt taatat 396

<210> 12737
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 12737

tcttatccaa ggcaattctt ggtggtgatt ctcttcttc cttggcttat tccctagtgg 60
 atggtgcctc cctctcttc ttctctttg cttcaactg catctccatg gtccatagaa 120
 gcttcacaag aaagcttcca tcaactaccgg ggaaggggag tatgctgatg aaatcttctc 180

ataaccacaa atgagatddd ggatgttagc gtttcgtttc taaatgacca tttagaggaa 240
 acaactgggtt caacaaaaat agaagaaaat cactcaaagt gtattaatct cacacgggta 300
 agtgtttcat cctaattccg aaccatagat atgccatgac ttgatcttgc aaatcatttc 360
 ctatca 366

<210> 12738
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 12738

ctcgagagct agcgttggtc aattacgagt gcctgtatat tgatgcccct gaatcggaca 60
 ttcgagtga aagttatgac catttgaatt tctcgagagc ctctatgtt taatttcgag 120
 cgtctcgata tattatacgc ctgaatcgaa cctcagtgtc aaaagttatg accatttgaa 180
 tttctttaga gcatccgatg ctcatcttcg agcgtctcta tatgtgatga accttaatcg 240
 gacctccgtg tgaaaagtta tgaccatttg aatttctcga gagcttccgt tgttcaattt 300
 cgagcgtctc gacatattat gcgcccgaat cggacatccg tgggaaaagc tatgaccatt 360
 cgaatttctc gagagcttcc gttgttcaat ttcgagcg 398

<210> 12739
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 12739

tgtaacacat tacagctcaa attgcggatt gatggtgatc agaatcagaa tctgcctgat 60
 cccaaagata tcaaagtctt ggaaaggata ggcagtgtaa atgttgaagc tgattccatc 120
 tacgaacttt acaaggatcc cagccctata atggaacctg gttctgtttg gaaagacatt 180
 gttctttcac cttcaaggta taataatgat cagaaggaat tgaaggaatt cattcagaaa 240
 atagaaacat ccatcagaaa acggtaacca ttgatattgc tgcattgatat tttcctccca 300
 aagccaagtt ttggagtatc taacaaagtt tgagttacca agttttgtat ctgctattcc 360
 ct 362

<210> 12740
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 12740

tataacaaga atatTTTggc cTTTTtcaca gcttgatggt cgcgtcaaaa ctttgcaccc 60
 taacatacat gggggtatcc tggctcgaag ggacacaaaa catcatatcg aagccctcag 120
 tactcatggg attggttaagt tatgttatta gctgttatta caagtacgtt gtgctagaaa 180
 tttgttgtgt tacattagag ttgtgatcat tcagtttgtg agattgtatt tttttgcttt 240
 tgcttaaagt tttccttttc aggtactttt gatgttgtgg tggatgaacct gtacccattt 300
 tacgataaag tcacatcagc tgggggcatt gaatttgagg atggaattga aaatgttgac 360
 attgg 365

<210> 12741
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 12741

tgaaattgaa caacggaagc tctcgagaat aaaaaatggt cataacttat cacacggacg 60
 tgcgattcag ggcataaaaa tatcgagacg ctcgaaattg aacaacgaat gctcttgaga 120
 aattcaaattg gtcataactt gtcacacgga tgtccgattc agctacataa tatatccaga 180
 cggtcgaaat tgaacatcgg aagctctcga caaattccaa tggtcataac ttttcacaag 240
 gaagcccgat tctagcgcat cacgtatcga gatgctctga attgaaaacc ggaagctctc 300
 aagaaattca aatggtcata acttgtcaca cggaagtccg attcagacgc ataatatatc 360
 aagat 365

<210> 12742
 <211> 282
 <212> DNA
 <213> Glycine max
 <400> 12742

ataacttatg acacagaagt ccgattcacg cgcctaatat attcgagacg ctcgaaattg 60
 aacaacgaaa gctctcgaga aatcaagtg gtcataactt ttcaaacgga agtccgattc 120

agggtgcataa tatatcgaga cgctcgagat tgaacaacgg aagctctcga gaaattcaaa 180
 tggtcataac ttatcacatg gaagtccgat taaggcgcat aatatatcga gacgctcgaa 240
 attgaacaac ggacgctctc aagaaattcc aatgggcata ac 282

<210> 12743
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 12743

tcttggcaat cctcattcca gcgatcagtc tagtttttgc gtaagagctt gaacaatggc 60
 tcacaaatgg cgggtgagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120
 cctcggactt gcctctctgt acgggggttct ggcatctcaa ggatagcctt caccttttcg 180
 ggggtctacct ctatcccttt ctggcttaca atgaaaccaa gtaatttccc tgatttgacc 240
 ccaaaggtag acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300
 ttccgcaggt tgacaagggtg ttcttctctg gatttagatt tagcaattat gtcgtccacg 360
 tagacct 367

<210> 12744
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 12744

attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt 60
 aatggccaac ttgctccaca aagtcctaca aaaatggctt atgaacttag agtccctatc 120
 actaacaatg ctcttggca aaccatggag tctcacaatc tccttgaaaa acagatcagt 180
 ctcatgggaa gcataatcaa cttttttact tgggataaaa tgagccatta tataaaacct 240
 atcaacaacc actaaaatgg aatctctacc a 271

<210> 12745
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 12745

tacattcaat ttcgagcttt tctatatatt acgggactca atcggacatc cgagtaaaaa 60
gttattgtag tttgaatttg ctcaaggctt cgggtattcca tttcgagcgt ctcgatatat 120
tacgggactc aatcggacat cagagtaaaa agttattgtt gtttgaattt gctcagagct 180
tctgtattcc atttcgagca tctcgatata ttacgggact caatcagaca tccgagtaaa 240
aagttattgt agtttcaatt tgctcagggc ttcgggtattc catttcgagc gtctcgatgt 300
attacgggac tcaatcagac atccgagtaa aaagttattg tcgattgaat ttgctcagag 360
cttctacatt caatttcgag cttttcgata tattacggga ct 402

<210> 12746
<211> 361
<212> DNA
<213> Glycine max

<400> 12746

tcgcacttga taatggagac acatgaactg cgcttagcaa tgacattcat ggtgctccga 60
ataaaggtgg agtatggagg attgccttga gggtcctctc ttatgcaatc atggaacaca 120
gctccaaact cgaaagtggg ggacacatga acaaccctaa gcaataacat tcatgtggct 180
ctggaacagg atgagaatgg aggattgcct tgagggtcct ctcttatgca atcatggaac 240
acagctccaa actcgaaagt ggaggacaca tgaacagccc taagcaataa cattcatgtg 300
gctccggaac cggatgagaa tggaggattg ccttcaaggt cctctcttat gcaatcatgg 360
a 361

<210> 12747
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12747

atgttcataa attgtgtaaa aagttgtatg aaaaagttat tgaaatgcac gttaaagtct 60
tgcttttata gactcttcat gtctgggtcaa gaaaaccatt ggaagagtta catcttctga 120
tttttattca aaacttgtca ctggtaatcg attaccaaaa ccatgtaatc gattacacaa 180
agcattttat gaaaggatgt gactcttcac aattgatttt gaatttcaac gttcagatac 240

actggtaatt gattaccaat atcttgtcat cgattacacc attttgaaat caattggaac 300
 gttgtaaatt cagttaanag cttttgaaat caaactttgc cactggtaat agaatacagg 360
 aaactggtaa tcg 373

<210> 12748
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 12748

tggcagtaat ttgaattctg atatgttctc tctcctttga tacagatgag tgaaaggaat 60
 tcaggatggg aggatttgat ttttattcca ccaggaaaaa gtcgctctca acacatacaa 120
 gaacttaatg aatgattccc aggggtgcgaa tttaagctaa ccatgatttc atgtggtttt 180
 cttgagcaaa ttggatgtta ctgttgtgac aatttagtcg gctggtgaga tgctaggacc 240
 tctgtcttca aatagttgtg ctcttccttc tgaggcgaat actgcactaa gattctcagt 300
 ggatataagg taaatgtgta tgtgagagga cgtaaacgct aacatacatt tcaattaag 359

<210> 12749
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 12749

tgagaatgga gaattgcact aatcaatctc tacgcatagc tccaaactcg aaggtggagg 60
 acacatgaac gaaaacacaa ttcatggggc tccgaaaaag gggttgagaa tggagaatta 120
 cactaagcaa tcactacgca tagctccaaa ctggaagggtg gaggacacat gaaagataac 180
 gcaattcatg gggctccgaa aagattgaga atggagaatt gcactacgca atcactacgc 240
 atagctccaa acgcgaagggt ggaggacaca tgaatgaaaa cgcaattcat ggggctccga 300
 aaagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcaaa 358

<210> 12750
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 12750

tcaattggag tcttgtcttt tacaaactta gttggacatc tgttgagtat gtaaacagca 60
 gtgtagactg cttcagccca gaatgtgtta ggtagtcctt tctccttgag catctctagc 120
 catctccata actatgtgat tctttctctc ggacactcca ttttgttgag gagaatatac 180
 gactgtaagt tgtcgcttaa tgcccttcac cttacaaaat ctttcaaact cgcgagaggt 240
 gtactctttg tcgcgatcac ttcttaatac ttttatccgt tttccacttt gattttcagg 300
 aagggccttg aactttttga atactccaaa gacttctgat ttttctttta gaaaatatac 360

<210> 12751
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 12751

agcttcccc ttgttcatta ttttttttaa caaaaacata attgtgttgt gtattttact 60
 caaggaaaat atgttctatt gtgttgaaat ttaagattt ttaattaatt atgcacatta 120
 tctttatatt aatcaaatta attgagatat aatttatttt ttaaaattaa aattaaatac 180
 attagatcta aggtaccatt tataagatta attaccttaa ttattacatg aattgtctgt 240
 attaatagta atcaaattat tttttttgac aaaataatac aattaattat gatactcatt 300
 attttcataa ttaatttgag tataattaag aatgataatt ttcgccatca ttaattcaaa 360
 cataaattac acaagggtgac gtgtgagggt gacgttattt aattaaaa 408

<210> 12752
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 12752

tagatggaga agaagacaga gagaaggaga agacttctcg aaggagacga aacataccta 60
 ggtattgtgg cgaaggagaa gaagcagaga cttgtgacga tgctcgagtg cgacgaagac 120
 gatgctcgag cttagacaaa acgatgggtca gatggagaac agacagcttc aaggtacatg 180
 gagaacaaag agagcaagaa agcttagatg gagaagaaga catcgagaag gagaagacaa 240
 cgcaaaggag acgaaacata cctaggtatg gtggcgaagg agaagaagca gagacttgtg 300
 acgatgctcg agtgcgacaa acacgatgct catatgcaga tagggacctt gaaggtagac 360

ggagatt

367

<210> 12753
<211> 398
<212> DNA
<213> Glycine max

<400> 12753

gcttggattt ccttttacta tgtaatctat ccttcctaag atggatccaa acccagtcac 60
cgtcattaag aactagcttt tttcttcctc tattgccttt agttgaatac acctttgttt 120
ggttctctat ttggttctta accctctcat gcaaattctt tacaacctat gacctaaatt 180
gcccttcttt atgtataaaa gaaggggtcca gtgggagggg aatgaggtct aacggtgtta 240
ggggattgaa cccatagaca acctcaaaag gggattgctt ggtggttcta tgaaccccc 300
tgttgtaggc aaattctaca tgaggaagat actcatcctc agacttatgg ttacctttca 360
gaagagccct taaaggggtg ataaagacct attcacta 398

<210> 12754
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12754

gcaagcttgg atntcctttt actatggaat ctatccttcc taagatggat ccacaccag 60
tcaccgtcat taagaactag cttttttctt cctctattgc ctttaggtga atacaccttt 120
gtttggttct ctatttggtt ctttaaccctc tcatgcaaatt tctttacaac ctatgaccta 180
gattgccctt ctttatgtat aaaagaaggg tccagtggga ggggaatgag gtctaacggt 240
gttaggggat tgaaccata tacaacctca aaaggggatt gcttgggtgt tctatgaacc 300
cccctgttgt atgcaaattc tacatg 326

<210> 12755
<211> 398
<212> DNA
<213> Glycine max

<400> 12755

agcttccctt tcttcggcca atgctttact tgtttggcag tgatttcctt ggcaatttga 60

tgctcagaaa catcaatatc tatcactcca tcagtaggtc tgcccaaata tttgttgatc 120
 acagcagggg agaatctaac acactttcct ctgacaaaca ctctttgata atcatcactt 180
 tttctgtttg atatgtcaga ggggaatgttg acaatgaatt ccctgactaa gccttcatag 240
 caatctccca acttgctgac agtcttcagc agtcctgcag ccttgatgag gtccatgatc 300
 tccttgcaat ccaaggcatc tcttcccagt tctctttcaa ccgcaagtct gcgttgatac 360
 acatatttcc acttttcaac attgccaatg gagtggaa 398

<210> 12756
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 12756

tatttttcaa tttcgagcgt ctcaatatgt taatttcccg aatcaaacat cagtgtgaaa 60
 agttatgacc atttcaattt ttctagagct atcgttggtc aaattcgagc gtctagatat 120
 gttatgcact taaatcggac atccgagtga aaagtattga ccatttgaat ttctcaagag 180
 cttctgttgt tgaatttcca gcatctcgat atattatgtc cccgaatcgg acattcgaga 240
 gaaaagttgt gacaatttga atttctatag agctgtcgag gttcaatacc aagtgtctcg 300
 atatattatg cgctgaata tgacatccga gtga 334

<210> 12757
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 12757

gatgtgttgg atcgagtggc ctcataataa ttaagaaagg gggggggata gaattaatta 60
 ttcctaaaac cttaccaatt aaaaattact cttttaaggc ttttacttat gttgttaaga 120
 gaatatggag tagaagagaa acttaacaga aagtaaaagc ggaaattaaa tgcacagtgg 180
 aaagtaaaag agtagggaag aaggaaacaa acacacaagg atttttatac tagttcagca 240
 caaaccctg cctacctcca gtcccaaagc gacctgcggt ccttgagatt tctttcaacc 300
 ttgtaaaaat tctttttaca gcaaagatcc acaaggtatg tacccttcc 349

<210> 12758
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 12758

taacaaatgg acctgggtgt tgcccagttt catcatatct tccgtaatac ttatcacctc 60
 tataatatct aataattttc acatttatgt ctaattgcc a ttttacttca ttgtagtaaa 120
 tttctaaggc atccattgcc taagaaatct cgggcaataa gtagacataa ccgtaacgtg 180
 aataatcatc aataatgggtg ataagggtatc attcctttcc gaaagaacta acatcaaaag 240
 gtccacaaat atcagtatgt acaatttcaa gaagctgagt gcttcttgta gctcttttct 300
 ttgtatgttt ttgcttggtt tcccttatac aaccacaca aatatttaga tccataaaat 360
 ctagataa 368

<210> 12759
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12759

gtacacctac attcgtatac acgacaaact ttntctgtat acacacgcat taaaaactct 60
 ttctctttat atcaacacgg tctataataa aactctattc ctgttcaaag atttcttttt 120
 cgattttcaa catacaactc gtgggttata caaaaaactt ctttatatac actcattgct 180
 cacacacaag aatttctttt cagcattat ttacacacac acaaaatctt tccatacact 240
 ttatatatag acacgacatt tgttcacaac gcctctttct tttttttttt tctttttttt 300
 tcggcggttat catgattttt gttcgtttta ttnttaggac aatgttccta aaggaaaact 360
 ctacaagggtt ccggaatttc aacaaacatt atcaacaata acg 403

<210> 12760
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 12760

agcttcaaca tcagaccact tccattgtgc tggaactact ccacatggat ttgatggggc 60

ctatgcacgt tgaaagcctt ggaggaaaga ggtatgccta tgttggttg gatgatttct 120
ccagatttac ctgctcaac tttttcagag agaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcactc 300
atgagttctc tgcagccatt acaccacaac agaatgggat agttgagagg aaaaacagga 360
ctttg 365

<210> 12761
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12761

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gtccgattca ggcgcataat atatctagac actcgaaatt gaacaacgga agctctcgag 120
atattcaaat ggtcataact tatcacacgg atgtccgatt caggcgcata atatctcgag 180
acgctcgaaa ttgaacaacg gaagctctcg agaaattcaa atggtcataa cttatcacac 240
ggaagtccga ttcaggcgca taatatatcg agaagctcga aattgaacaa cggaagctct 300
cgataaatnc aaatgggtcat aacttgtcac acggaagtgc gattcaggcg cataatatat 360
cgagacgctc gaaattgaac aacggaagcc ctcgagaaat tcaaattggtc ataacttggt 420
aca 423

<210> 12762
<211> 580
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12762

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acatttctg agcaggtacg agcagttatg caagtgggat cagcaacttc cattatcaga 120
gtaatcaagc acagcggat ctgtagtcta gacaagttgc aagtcgtttc caggatgtca 180
agacatctca catgacatct gctttctgct tctgctcccc ctgtctccat gcttactgca 240

gcattttcta tcagctacta gtctttctcca ggatgtcaag acgtctcctg tgacatcagc 300
tatctgctcc ccctgtctcc atgtctttac tgcagcatct tctagtagct tccatcagtc 360
atcatcagca gcagcagtct cccctcaaaa atcgtataca tacaactccc cctcaaaatc 420
atgaatcatg catacatcgt atcctactgc catacatcat acatagtatc ctactactca 480
naatcatgca taatagcaag cataatacta ttactcccc tttttagaca gaaattgaca 540
aaagtagaat gcatgcaagc attaatgtgc aaatattaca 580

<210> 12763
<211> 435
<212> DNA
<213> Glycine max

<400> 12763

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cctgcacctg caaaaacacc ctgaactcgt cgctcttctt gatcaccgga tgcgtcgcca 120
gccgccgag gtactttctcc agcgccattc tcctctgctc cacgaactcc tgcttctgca 180
tcacctggct ctccaccacg ctcttggtccg gccggggcgg gatgaaaaac ccgcggtacg 240
cctctgcgag ccgatcagag agcgtcacca cgtcacggaa ccgccgccgg accgcgaaat 300
cagcgccgga ggcgccgaat tcctgaatgt tcgtctcgtg gtgaccaagt atgtcacgta 360
actgttgcta ccaggaacaa tagaattcga tgattcttgc tccttgacag ggttcgaaac 420
ggttatcttt agata 435

<210> 12764
<211> 618
<212> DNA
<213> Glycine max

<400> 12764

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tttcataagc tcaaataaac cttgtacgat ttttatttta caaacctgcc ctaatgctat 120
aaatgattta tggcatgtat gcactgaaaa aatattgtgc ttggattctt catataagtt 180
ctttatactt ctaaattttc tttaagcttt aatttctggt ttttccccct aagcattttg 240
attctgtatt tctatatcat ttgcaatata aggtgtacat aaacttacac atatctagga 300

gtgaagggtta tttacttggt agattgggct tttaccaacc atgcctactt atgttaagtt 360
 ataactgatac atgattgagc aagggtgcat gagttgtaag cttcctgata ttatctttga 420
 ttcctacaaa taacaatata ataattgatac atgatttgaa actattgttt atttagtggt 480
 ctacttctcc cacgatggta gacatttctt aatgggtatg taatacaatg agtttttgtc 540
 tataagttgg ccgaatacac aatcatagtg tcttattgac atgctctgat tttctgtgca 600
 tacctatggt ctcactct 618

<210> 12765
 <211> 614
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12765

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 ggtattggct gcaacccaaa ggagctcagc gtcagtgagt taggaagtct cacttggtgt 180
 ttcttccaaa agattgatga tcttattggc atttagagag atgttcatgc ccctgacatg 240
 ggaactaatg cacaagttct aatttaatta tattccattt ccttacataa ttntttgttt 300
 ggggcaattt cttatgtaaa ccaacatcta gaacttttat ttattattct atcattttca 360
 tttgtttact atttactga caaaggcttg cattcttgat gagtattcaa agtgctttat 420
 agtttatatt atcaataatt ttaatttaaa actattaata ttacttttnt ttgtagaagt 480
 tggtatatatt acaaaattca tttgttgcca aattgtgttg attaacataa aattttat 540
 taaaaatatg aaattttata cattgttgtc atgaaaatga aatttttgggt taaaaatata 600
 agaaaaaata tttt 614

<210> 12766
 <211> 521
 <212> DNA
 <213> Glycine max
 <400> 12766

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 aaattgagac ttgaacctct aagaaaattg aaacgataat aactttatac acggatttcc 120

gacagattgc cgtaatatat cgagacgcat taaattgaaa aaagaagctc gtaggaaatt 180
 cgaacgacaa tatgttttta ctcatatgtc cgattgagtc ccgtaataaa aaaagacgct 240
 cgaaattgag agcagaagct ctgagcaatt tcaaacgaca ataactttat actcgaatgt 300
 cctcttgaga cccgtaatat atcgagatgc tccaaattga aaatggaagc tcgtagcaaa 360
 tttaaacgac aataaatata tacatggatg tccgattgag tcccgtcgta tatcgagacg 420
 cttcacattg agaacggaag gtcgtataca attcaaacga cgattactat ttactgggat 480
 gttcgactga gtctcgtagt atatcgacat gttcatatt g 521

<210> 12767
 <211> 545
 <212> DNA
 <213> Glycine max

<400> 12767

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 gccaaacaaa gtcagggttca cgataactcg cctgtgcttt ttcttccatg ctatatgtag 120
 caaagtgatt gatccagtaa tgtttgatga gttggaaaat gaggccgcaa ttatactatg 180
 ccagttggag atgtattttc ccctgctttc ttgacatca tgattcactt gattgtgcat 240
 ctggtcagag aaatcaaattg ctgtggctct gtttatctac ggtggatgta cccggttgag 300
 cgatacatga agatcttaaa agggatataca aagaatctat atagtccgga agcatctatt 360
 gttgagaggt acattgcaga agaagccatt gaattttgtt cagaatactt agagaaggct 420
 aaagttgttg ggcttctga gtgtcggtcat gatgacagag tgggtggtaa gggttcaaga 480
 ggactgcatg tgatcactcc aagtgtagaa gatttggtac aagctcactt gtatgtcttg 540
 acaac 545

<210> 12768
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 12768

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 gcctatgcag gttgaaagcc ttggaggaaa gaggtatgcc tatgttggtg tggatgattt 120

ctccagattt acctgggtca actttatcag agagaaatca gaaacctttg aagtattcaa 180
agagttgagt ctaagacttc aaagagaaaa ggactgtgtc atcaagagaa tcatgagtga 240
ccatggcaga gaggttgaaa acagcagggt cactgaattc tgcacatctg aaggcatcac 300
tcatgagttc tctgcagcca ttacaccaca acagaatggc atagttgaaa ggaaaaacag 360
gactttgcaa gaggtgtgta gggtcagtct tcatgccaaa gaacttcctt ataattctctg 420
ggctgaagcc atgaacacag catgctacat ccacaacaga gtcacactta gaagagggac 480
tcctaccact ctgtatgaaa tcttgaaagg gaggaagcca actgtcaagc acttcacat 540
ctttggaagt ccatgtta 558

<210> 12769
<211> 534
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12769

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atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgttaata tatcgagacc ctcaaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacggt ttactcggat gtctgattga gttccgcaat 240
atatcgagac cctcgaaatt gaatgttgaa tctccgagcc aattcaaacg acaataactt 300
tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga 360
acctctgagc caattcaaac gacaataact atttactcgg atgtctgatt gagtcccgtg 420
atatatcgag accctcgaaa ttgaatgttg aatctctgag ccaattcana cgacaataac 480
tttttactcg gatgtctgat tgagtcccggt aatatatcga gacgctcgaa attg 534

<210> 12770
<211> 516
<212> DNA
<213> Glycine max
<400> 12770

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ctatccaccc ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac 120
 gcaacaaata atcaaacatc taacataatt actaataata tatagatata tatatcaggg 180
 tgttacacta cctgcaatth ggagccctaa atacaagaac caaaagtaat gaaaccttaa 240
 tctaatatgt acaaagataa atggggtcat acttagccca tgagctcgaa atctacccta 300
 aggctcatga gaatccaagt gccttctctt gcattctctag cccaatctac taggagtctt 360
 ctatccaatg cccttgcaagg gtagaattgc atcattccct ccgccttgaa aaggatttga 420
 cctcaaatcc agagggttctt gaaactcttg gcttttttcc tcaacaccta gatgaagatg 480
 ctcttgatac tacatgatgt aaactccatt ggagct 516

<210> 12771
 <211> 634
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12771

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 gttttgcatt ttttgttatt taatttattt tattttatta aaaggcatgg ttagagaaga 120
 tccatcaata aaagtttctt tgattcaaga aaggataaac agtggatttg gctataaggt 180
 ttcgtacaaa aaagcatgat gacgaagcaa aaagctattt caattgaata tggagattgg 240
 gaagagtcatt atgccaact ttcattgttg ctaaaacaca tgcaaaataa ttcttctgga 300
 ccctattttc aaatattgca tgatgatttt attggtggga atcggtgag tcgtgaacac 360
 cgtcaatttc ataanagtat ttgggcattc ggtcaatgta aaaagacttt taattattgt 420
 aagtcaatca tacaagttga cgacacacat ttatacggga aatatcgtgg gaccagtta 480
 atggccacat cacaagatag aaatgggtgt gttcttctc tagcattcgt cgtagtcgaa 540
 ggtgaaacgt taacagcgtg gtcatgggtt ttgacacatt tacatgaaca cgtgacagat 600
 aanaatggta tttatctcat atttgatcgt catg 634

<210> 12772
 <211> 699
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400>

12772

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atatcttaaa aattataatt tgacatccta aaatatattca aatttataat tactatatca 180
ttattaatta ttacatccat aactatcatc atcatgatgg tcaaccgtct ttattatcgt 240
gtctatatat atattgaaaa aaagtaaata aaatgaaatg agataaatatt tattttgtta 300
tttgattatt ttaaaaaata atagaaaatg ttgttttatt taaattttaa aatatgagat 360
aaaataggga taattaaata atatcattta ctagttattt gtgttatgcc tttttccaaa 420
taataaattc aaaaatttat tctatcttaa tantaataatt aaaaccaata tgataattnt 480
attaattatc cctttatttt tttgtttcgt tcattattaa atattccaaa tattaaatat 540
aaaaacttaa agaagataat taaccacaaa aatgacattt gtataaatac atgggacgcc 600
aaaaaaataa taatacatga tttgctctaa aaagaaaaaa taaatacatt aatatcaact 660
ctaattacta aatctgaata tattattgta ttagtaatt 699

<210> 12773

<211> 554

<212> DNA

<213> Glycine max

<400> 12773

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cataaactca atgtcacaat cacctttgtg aatatgatcc ctaatgaaat gatgcttaat 120
atttatacgc tctgtcctag aatgcatgat aggattctta gtgatactaa tgacactagt 180
gttattacat cttaaaagaa tatgtttctaa atgcaattat aaagtcagat agttatttgt 240
taatacacaa gatttgtgca caacaacttc acacaacaat gtactcatcc ttatctgtaa 300
acaaggcaac acatgcttga ttcttactat tccatgaaac caggccatta cctatcaagt 360
ggcaaatact actagtgggt ttcctatcta gtgtaaatct ggaaaagggt gaatctgagt 420
attcaagtag aaagatctca gcacctttta tgggtaccatc taccaacatc tacattgcct 480
tttaggattt tattatcctt ctttatataa agaagtaaga cttcctacga ctggattgtt 540
agtgtgcaca catg 554

<210> 12774
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 12774

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 gtatcagaaa ggtgtaatag aactttaaca gatatgggta agagtatggt catcaattag 120
 actttacccg tatctttgtg gatgtatgcc ttgaaaactg ccatgtattt gttaaacagg 180
 gttcctagca aggtagttcc aaagagacct tttgaactgt ggacaaatag gatacctagt 240
 ataaggcacc tgcattgttta ggggtgccag gcagaaataa tgatttataa tccgcacgaa 300
 agaaaattgg atgcaagaac aatcagtga tatttcattg gttatccaga aaagttaaaa 360
 gggatatatgt tttattgttc taatcatagt atgagaattg tcacaactgg aaatgcaagg 420
 ttcattagaa atgatgaaat cagtgggagt acagttccac gagaaatgga attaaagaag 480
 ttagagtgtg agtcctttt 499

<210> 12775
 <211> 658
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12775

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 tctactatca ttgatcttca agaagaaaag gactccattg atgaagaagt ttcaaggcgt 120
 acaagctcca catggggcta catcagacag cgtcgactgc gtcacgtcac cagaaaccac 180
 caagtccctg gcagcatcca ggtggaacct cccattcgtc ggcgagaacg agtgtgctag 240
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 cctaattgctg gtgcttgttt ataaataagt gcaacaagat tttctttcat tgtgtctctc 360
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 ttctcttttt ctgaaacttg gttttcttct tcattgggtt attctttttc attttcgcat 480
 atggatcatg tgatgagaaa aaatttgcaa caatatgatt ggattcggtc catgattcat 540
 agtatttaag tctctgatga ttaactctcc tttntagaa ttaattttga gtccttttgg 600

gtttctaaat atcatTTTTT tcttagtggt gatagagtga caaccagaga gacatgat 658

<210> 12776
 <211> 477
 <212> DNA
 <213> Glycine max
 <400> 12776

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 gcactgcaac ccattccact caggttgaca ctctttacgt tgctccggaa tccgaacttg 180
 ttaatgatca ttgatgtaat ggatgggtga ggacaaaata ggctacagtt tgacacaagg 240
 atatcaatgc ttttaggatg cacttttgtt tttgaaagga ggtctttgac aattctgaat 300
 agaaccgatt caacttctgc ctgtgcacgc ttcattggaat catccggagg gagctcatga 360
 actgattctg gcacacaagc ctccacgcca ataccggatc tttccaatac tttcaattca 420
 aagcctatga gttcatgggc aaaattgcac aattcaaagt gttctacaat atgagag 477

<210> 12777
 <211> 618
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12777

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 caggaagttt ccagctctt ctcttgcgca agatttcctc tcttatatct acaattttct 180
 ccttataacc ctgtatgata aaaattaaaa aagtaaaaag aggtcaatca tatgggaaaa 240
 gatttgagaa ggggaaatga acaaccatca acaattcaac atcccttacc tgtttcagtt 300
 catgctttta ttcttgtctt actcgctcca tgaggacct ctcgctctct gtaggaacaa 360
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 tatctacttg gtcatttca tcatcagaca ttgttgcccc tgtaccttct ccaggtgaaa 480
 ctctgtnta tcatgctgca tgtgagaaca tttatatggt tacttgctgt ggctaattga 540

accaagagtt tgaagatddd cttcaacact agaactatca tcatttatct gttgcanagt 600
gcaatcttgt gggttagt 618

<210> 12778
<211> 728
<212> DNA
<213> Glycine max
<400> 12778

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tttgattcac ttgatgaaga taacgaatat atagatactg atgaggatga aaataaagtt 180
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attacatggt taatatgaaa atttattatg tagaaagaca tataattata ttgttatgag 540
atacatttat tttatttttg tagcagaatt aattcttaat caaaatttct taaaatatat 600
acaatatddd aacttaatga tgaagtacat attttataat gaaatagaag agaaagacat 660
tttattattt taataatatg tattattaac gaacttataa tatttaaaat ggtgaggatt 720
agtataat 728

<210> 12779
<211> 502
<212> DNA
<213> Glycine max
<400> 12779

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aattcaaag gtcataactt ttcaaacgga agtccgactt aggcgcataa tatatcgaga 180
agggttgatt tgaaccacga atgctctcga gaaattcaaa tggtcataac atttcacaca 240

gaagtcgat ttaggcgat aatatatcga gaaggttgaa attgaaccac gaatgctctc 300
gagaaattca aattgtcata acttgtcaca cggaagtcgc attcaggcgc atactatata 360
tagacgatcg aaattgaaca gcgaatgctc tcgagaaatt catatgggtca taacttgtca 420
cacgaaagtc tgatttaggc gcataatata tcgagacgct cgaaattgaa caacgagtgc 480
tctcgagaaa ttcaaatggg ca 502

<210> 12780
<211> 582
<212> DNA
<213> Glycine max

<400> 12780

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gatgcctaaa atgtcttttc tgatggtagt ggtcctagat gcagggaaaa atttctccaa 120
gaacaccctc ctaaggatcat cccagctgaa aatggacttg ggagcaaggt agtagagtca 180
atattttgcc actccctcca gataatgagg aaaagccttt agaaagatat gatcttcttg 240
gacatcaggy ggcttcatgg tggaacaaaa aatatggaac tccttaagat gcttatgagg 300
atcttcacct gcaagaccat gaaacttggg cagcaaatgt attagtccag tcttgagaac 360
atatgaaaca ccctcatcag gatatttaat gcacaagctt tcataagtga aattaggtgc 420
agccatctcc ctaaaagtcc tctcatgacg aggaggttga gccatgttct cggatgaat 480
attagtattg gaatgctcaa aattagaata ttcacaatca ctctcaacag aatgcttata 540
tgacagaaat gaccaggatg catattatgc tctacttata ta 582

<210> 12781
<211> 652
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12781

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tatccttatt tctaattgatt attccatgtt catctaactt atttctaaat acccattttg 180
ttctatgat gggataattt ttaggtttct ctacaagttc ccacacattg tttctttcaa 240

attgattcag ttcttcttgc atggcaataa tccagttatc atctactatg gcttctttta 300
tatttttagg tgcaatcata gatacaaaag ccatattatt gcataaatct ttaagagaat 360
gtctagtgtg tacccttttt gagatatcac caataatggt gtcaagggga tgatctttng 420
aagctttcca ttcttatgga agttcatcat tggatttgac ttcttctgga ggatcttcat 480
tgcttccttt accttttcct ttagaatctt gaccatgaat atacaatctg ttctaaagat 540
tctgcaatat catctatcat attctttctt tgaaaagata gcattaaatt catcaaacgt 600
tacatgaatg gattcctaca tattcataga tcctttatta tatatcctat at 652

<210> 12782
<211> 573
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12782

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tagactgtgt gatgcaatcc tccctaggaa gggaccagtc actagaacca tgagcaagag 180
gctccaagaa gattgggcta gagctgctaa agaaggccct agggttctca tgaaccttat 240
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aggatgtcat tatatttggt ccttgtattt anggctccat attgtaggta gggtagccta 360
taaatatagg atttttcagc ccttgtattt tatggcacct agactagttt ttgtattagt 420
ggtagttttg taatttcaca tgcactaagt gaatatattga tgtgtgtggg tggaaataaat 480
ttaattgaat tgcagaagcc caactcatta aatttagagg tgagggtgag catgtgctta 540
ctacacccca ttgtctcatc atatagtcac act 573

<210> 12783
<211> 501
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12783

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 cttctacatc ggttgtaaaa ccgatgttga aagcatcgat gttgaatgta ttgttggtta 180
 catcgggtttt aaaaactgat gttaacataa aaatattaac atcagtttta taaataaccg 240
 atgtttataaa gaaagaagta caacaaaata agtgtatgog tgagggacgt tggcatcagt 300
 tttctgtaaa aaccgatgtg aatatgttat attaacatca gtttttagag gaaaccgatg 360
 tgaacgttca tcattcatgc acctatnntt gctatagtaa ttatgtataa cattgggttat 420
 ttataaataa ccgatgttat tgcatacagt ttaacaatcg gtattttata aatattcgat 480
 gttaacctat gtacattaac a 501

<210> 12784
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12784

agtttccaag tgccaattcg ncttcttctt tatttcagtc tttttctggc ttcaatncat 60
 cagagggcctt tccttctgtg tccagcatct tgggatgttc ccagcctttg atgacagctt 120
 tccaggttct gctatccagt gatttgagga aggccaccat ccttgctttc cagtattcat 180
 agttggttcc atccagaata ggtggtatgt tcaactggtcc tccttctttc tccatgttca 240
 tcagaattta tctccctaga tctcactcag tgatttcgag tgcccgtctc gataccaatt 300
 gaaattctga tactggggac agatgtcgtc caggatgtca cgacatcacg cttcagaaca 360
 tgcagattgt atttgacagt gtgcacagtt taagcgagta aataacacaa gagaa 415

<210> 12785
 <211> 456
 <212> DNA
 <213> Glycine max
 <400> 12785

aactcaagct tgtagacctt ctcttcttca ccctttcgaa catatttcgg tggttggtcc 60
 acatacacgt cctctgtcaa ttctccgtga agaaatgcgc ttttgacatc tagttgatac 120
 acattccatc ccttttgtgc tgcttgagct aaaaccatcc ggattgtgtc ccaccttgct 180

accggggcaa acacttcggt gtagtcaatc ccttggttgc gagcatagcc tttagctact 240
 agtcggggcct tgagcttata aacttcacca ttctcattta acttggttct aaaaaccatt 300
 tcactccaat cttcttagca cctttgggca aagttgtaag ctgccagggt tcattctttt 360
 tgattgcttc aatctccaaa tccattgcct ttctccattt ctcatctctt tcagcttctt 420
 caaatgagct tggatcttca tgagaggtaa acattg 456

<210> 12786
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 12786

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 tgctaaatat tcttggtgca tggcttcctt ctacttagga taagctaaag cctattttac 180
 accttttgggt tcacaatgag taagtataga aggatgaagt ctagggtgat agttaccaga 240
 ctttgacctt gtctgcatag gatgagcatt cactattcta ggtggtgaag tagtttcaaa 300
 attttgagga ctgggttttg cagtaggtgc agagtgaaca atgggttgaa catggctaga 360
 agaagaaggt ggatcaatag aaacataact ggacaagggt agtgaggaaac aat 413

<210> 12787
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 12787

acacaccccc tataatagct aagctcacc catgacaaac aacatgaaaa tacaaaaaaaa 60
 aaaagtcctt actacaaaa ctactcaata gaatggccaa aatacaatgc ctaaacgaag 120
 gataaaccta ttctaattatt tacaaagata atcggggtca tacttagccc atggggtcga 180
 aatctacctt aaggctcatg agaaccctcg ggcctttcct tggatctcta gcccaatcta 240
 cttggagtct tctacccaat gctcttgctg ggtatgattg gcatcagtca gtttctaaaa 300
 acgctattat atcaaaaatc gtctt 325

<210> 12788

<211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12788

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 tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagttgc ttocatcgag aattggtggt ctgttcaactg gtccgccttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tcgtacagga tgtcacgaca tcacgcttca 360
 gaacatgcag attatatgtg tccgtatgaa cagattaaac aagtaaataa cacaagagaa 420
 ttgttaccca gttcg 435

<210> 12789
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 12789

actcagcttg agcaattcaa cgacatactt tttactogta gtctgatttt tcatgtaata 60
 tatcgagatg ctagaaattg aatggtgaag ctccgagcaa attcaaacga caataacttt 120
 tcaactcggtt gtttgactga gtcccgtaat atatcgagac gctccaaatg gaataccgaa 180
 gctctgagca aattcaaacg acaataactt tttacttgga tgtctgattg agtcccgtaa 240
 tataatcgaga gggtcggact tgaatgccga agctctgagc aaattcaaac gacaacaact 300
 ttttactagg atgtccgatt gagtatcgta atatatactaa acgctcaaaa ttgaatgttg 360
 aagctatgag caaattcaaa cgacaatcac ttttttactc ggatgtctga ttgagtctcg 420
 taatatgttg 430

<210> 12790
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12790

tgccgccacg gaattntccg actctgctct agngatgtgg aacaagctac aaaaggagag 60
agcaaganat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120
gcggtatgtg cgggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagctgc angagtttgt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtggag caacaattaa aa 382

<210> 12791

<211> 384

<212> DNA

<213> Glycine max

<400> 12791

aaaaccctt gaactacttc aaaaccctt gaactacttc acatagactt atttggctcc 60
tctagaacta tgagtttggg tggtaattac tatgacttag ttatagtaga tgattactca 120
aagttcacat ggactttgtt gttgaaaacc aaaaatgaag cttttgatgc ttttcgcaca 180
cttgccaata ttattgaaaa tgaaaatggg ctcaacattg tttcacttgg aagtgatcat 240
ggaggtgaat ttcaaaataa gtcttttgaa tagtggtgtg aagaacatgg aattcaccac 300
aattgttttt gccccaagaa cacctcatca gaatggtgtt gtggagagga aaaatagatc 360
cctctgagaa agaacaataa ctct 384

<210> 12792

<211> 410

<212> DNA

<213> Glycine max

<400> 12792

agctcacgat tattttattgt ataattttct tacactctca atttattaaa gatgatcata 60
tataataaat ttagtaaatt ttataataat tatttttaaaa atcattcatg attatgagtt 120
atcaaccatc acataaagga acttgacacc acactttaac tcaaagtctt aagattcatg 180
tttatgaatc ttctcctcgt gctcaactct ttttcacttc tacgactcca cctcacactt 240

gtactagatt tggatctttt aattaagatt tcagtttaaa tttgtgttga taaaaaata 300
 taattaagag aaaagattct attaaagctc accaactaga ttttctaata aattagttat 360
 caataaagtt ggtgattata tacttcctat taatgttata gtgacaaaaa 410

<210> 12793
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 12793

agcttcatat ggacatcgct tcattttggt cgccattggt tacttcacca aatgggttga 60
 agcggcttca tacgccagtg tgactaggag tgtggtggtt aggttcatca agaaaaagat 120
 aatttgctgg tatggtttgc ctaggaagat tatcactgat aatgccacca atctgaacaa 180
 taaaatgatg aaggaaatgt gtgaggattt caagatccaa caccataatt ctatgccttg 240
 caggcccaag atgaatgggg cagttgaggc tgctaataag aacatcaaga aaatagttca 300
 gaagatgatc gtgtcataca aggattggca caagatgctc ccttttgcac tacatggtta 360
 ttgaacctcg atacgcacat caactggggc aaccccgttc tctttggtgt atggaataga 420
 ggttgtgct 429

<210> 12794
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12794

agctngccaa cctatgtaag ctctttatat ctcccacact gtttgttgtg ggccattctt 60
 ggatggcctt gattttctca gggtcactt ggaccccatc tctaccaact acaaacccta 120
 agaaaactat attatctaca caaaaaagta cacttctcta tatttgcata gaggggtgtt 180
 ttctaaaga ctgaaagaac ttgcctaaga tgctctaagt gatcatctag gctcctactg 240
 tacactaaaa tatcatcaaa ataaacaact acaaatctac ctatgaaatc ccttaagaca 300
 tgatgcataa gcctcataaa ggtgcttggg gcattagtga gcccgaaagg catcactagc 360
 cattcataca aaccaaactt ggtcttgaaa gcgggtttnc actcatcac 409

<210> 12795
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12795

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 aaatggtcat aactgttaaa acggaactcc gattcacggg cataatatat cgagacgctc 120
 gaaaccgaac aacagaagct ctcaagaaat gccaatggac ataacatgtc acacggaggt 180
 ccgataccag tggatagtat atcgagaagg tcgaaattga acaacggaag ctctcgagaa 240
 attcaaatgg gaataac 257

<210> 12796
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 12796

ctattagtaa gacttcattc ttgaattcat ttgttccttg cttataactt cttgaaagtc 60
 tctttactgc tatttggtgc ccatcaggta atatccccctg aaattaaacc attattcatg 120
 tgaaaaacaa aaatatgaaa ataacttttc tcacatttac tcaccttgta aacttctcca 180
 aatccacctt tgccaatata gttctcattg gagaagttgt tagtcgccgc ttcaattaca 240
 gccaaatcaa attgcaatgg ctctaaaatg gcgctttcat gaccaactag aacaaatatg 300
 gttagtttgt taaaccaagt tttcaaagtt ttgaggataa caaatatcgag tttaaagtac 360
 atatttttta catacaattt tctttgagaa tggtcctaaa actctctctt gcttgtctcc 420
 ttattaaat 429

<210> 12797
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 12797

gtgcagttca ctaaaggaga ctgggtcctc gttaagcttc gtccatgtcg ccagtcaacg 60
 gcttcagggtg gtcaatactc caagttagca aaaagggttct acgacccatt tcaaattggt 120

caaaggatcg gacctgtagc atataaactt gacttacctt caacctcaag aatccaccct 180
gtcttccatt ggtcettact caggccttat cactcttcac tgaccacaac agaaacaccc 240
attcccttgc ccaatgcgga tgaagataac caacccctcc tcacccctct cacgatattg 300
gataaaaagtg gcacagttca agggatgaca agcagttacc tcgtttggcc aatgggatgt 360
tctc 364

<210> 12798
<211> 424
<212> DNA
<213> Glycine max
<400> 12798

agcttatagt tattggaggg agaattttca atccaaaatc aattgtacct ttttgtaacg 60
aagaattctt tttgcagctt ttagatgagg agaggtagga gcctccgtaa agcgacacac 120
aactcccacc gcatatagaa tatcgggcct tgtattgggt agatacctta aactccccac 180
aagactcttg aagatcgtgg agtctacctt ctctccttca tcaaaatttg ataacttcaa 240
gccaccttcc ataggtgtgt tcacgggatt gcaatcaagc atattaaatt tcttcaacac 300
ttcttttgtg tagctttctt gtgagacaaa gataccattc ttcgttttct tcacttccat 360
tcccaagtaa tatgacatga gtctcgtatc tgtcatatca aattcacgag acatggactc 420
cttg 424

<210> 12799
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12799

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aaggccaaga tagaccaaatt tggagagatt cccaatctga gatggaatct tcccatgaa 120
tccagaagag aggtcagagg gagtcaagga ggatcattgca caaagaaaag aaggaattgc 180
cataccttca aaataattgt cgctcaagtc aagatatcga agcttagaga gattcccgat 240
ctgagaggggt actgttccgt cgtcaacaac agaactcagg tcaagatata ccaaatttga 300
gagattttcca atctgaggag gaatcttccc atggaatcca ctatcagaga ggttgagggtg 360

agtcaaggaa gtcattgtcc caaggaaaga aggaattgac atac 404

<210> 12800

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12800

tgccgccacg gagttntccg actatgctct ngatgatgtgg aacttgctac aaaaggagag 60

agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ceggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccce 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaattaa aaaggaaggg agtggc 396

<210> 12801

<211> 401

<212> DNA

<213> Glycine max

<400> 12801

agctcttgag aatataccta ataattgtga cattatccat ttatgggtcc ccaaagaaga 60

tagtatcatc agcaaattgt agtatgttga ctgggatctt tttctttccc accataaaat 120

tgtggtagta gtttttggaa aatactgccc tcatcatgcc tgtcaagcct tcagcaacta 180

ggtcaaacia aaaggagacc aatggatccc cttgtctcaa gcctatttga ggtttaaatt 240

cagaagtagg acttccattc actagtatag atattgatgc taatgaaaga cacccttaa 300

tccagccaat ccacttttca ttaaaccoca ttcttctcat catgtaaaag aggaaatgcc 360

aagacacaga gtcattgttt ttcaaaatca actttgaaca c 401

<210> 12802

<211> 341

<212> DNA

<213> Glycine max

<400> 12802

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aacgagacgc tcgaaattga atgttgaagc tccgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgtgata tatcgagacg ctcgacattg aatgtgtgaa 180
tctctgagca aatgcaaacg acaataactt tttactggga tgtctgattg agtcccataa 240
catatcgaga cgctcgaaat tgaatgttga acctctgagc cgattcaaac gacaataaat 300
ttttactcgg atgtctgatt gagtcccgta atatatcgag a 341

<210> 12803

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12803

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ttattataacc ctattgtact aggctaagt tcttctttta tttttctgta tctactatgt 120
tctgagtttt ctgtagaaag ctttctttgc aagctaaggt tgatatatat aagagaagct 180
cattgtccag aaaacactaa agcatttcat ccaaaaatat atctcattat tttctactaa 240
aatcattatc ataatttga tttattaaat ttataatagc attcacatat atcatgtaaa 300
aagatttata gttaaaggta gttttttatg atgaatagct attgtaatac tacccttcaa 360
aaaagctatt ataaatctat aatactatat ctattattgg ggggaaacag ctntcgggtga 420
ttgtattaca atatgtcaat attc 444

<210> 12804

<211> 430

<212> DNA

<213> Glycine max

<400> 12804

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aactataagg cggagaaaat ctcgtgttcg atgggcatgg atcattcgaa gactcctgct 120
agctcgagt accggatact gcacacacat aaactggaag aactgccctc atgccctagg 180
tgtgggggtat cacgggtacat acacaaggat gatgatgagt gctgaagaga agaagactca 240

tagaagggcc ccctacctac ggtgatgcgg actcattcac ttgtgccaat gtttatacgt 300
ctctatgctt atggatacga tgctatagac atcttacatg gcatgcacat gagagcaact 360
gcgatggaat ggtcctgcat ccggatgatc gctcctagag gacaaggata tatcatttgt 420
attcgaattt 430

<210> 12805
<211> 397
<212> DNA
<213> Glycine max

<400> 12805

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ttgtgcaatt tcgagcttct cgatatgtga tatgcctgaa tcggacatcc gtgtgaaaag 120
atataccagt tgaatttctc aagagcttcc gttgttcaat tttgagcgcc ttaatatgtg 180
attggcctga atcggacatc cgtgtgaaaa gttatgacca tttgatattt tcaagacctt 240
ccgttgggtca atttcgagcc tctcgacttt ttatgcgacc gaatccgaca ttcgtgtgaa 300
aagttatggc catttgaatt tctcgagaga ttccgatgtt aaatttctag cgtgtcgata 360
tattataagc acgaatcgga cattcgtgtg aaaagtt 397

<210> 12806
<211> 385
<212> DNA
<213> Glycine max

<400> 12806

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agaaaagtca acggatcgta actatgtcac acaggaagtc ctattcttgg acataactca 120
tcgaggacgc tcgataattg cacaacacgg gctcatcat gcatgcgaat gtcctaaca 180
ttacgctaag attagcgagg gcgggacgta acatatcgag acgctctata ttgagcaacy 240
aaagctatcg acgactttga atggccataa cttatcacac ggatgttggg agacgggaca 300
taactcatcc agacgctcta taatgaacaa ccgaaactct ctagaagttc gagatgacat 360
gacaatacac acagatgtgc tattt 385

<210> 12807
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12807

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agcttcaaca tctttatccc ttccagtttg ctggaactac ttttcatgga cttgatgggg 60
cctatgcaag ttgaaagcct tggaggaaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattta cctgtgtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaatagaat taggagtgac 240
catggcagag agtttgaaaa cagcaagttt actgaattct gcacatctga aggcatcact 300
catgagttct ctgcagccat cacaccacaa caaatggca tagttgaaag gaanaacatg 360
actttgcaag aagctgctag ggtcatgctt catgccaaag aacttcctta taatatct 418
```

<210> 12808
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12808

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aagagaaaga gaaaaagtaa tttttttaat tatctagatc ccactcttca tttaatgaat 120
cttaagatta aattgataaa attttcaaga atgtatgtat agtggtgtag gtaggcgggt 180
accatagttg gagactctcc ccgcatgcc aagttgacaa aagaaaatac ccccttttc 240
atgaacagcg ctcaaatag gtttccaagc ttccagctgt tctcttgtcc agatgccagg 300
tgtattaggg tatctttggc caacgtacaa aacggccaca cgtataatga aacaaaatac 360
taaagcatta gtacaagata atctttgtgt ggacaaaatc agatccaatt tctagacgtg 420
ttcagattaa ttacccc 437
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<210> 12809
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 12809

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 ttggaccttc cagaagagta tggagtcaac accactttta acatttctga tttaactcct 120
 tttgcagggtg gagctgatat tgaggaggag gaactaatag atttgaggtc aaatcctctt 180
 caaaggggaag gggatgatgc aatcctccct atgaaggagc caatcactag aaccatgagc 240
 cttacggtag atttctgagc ccatgggcca aggttgggtc caattatctt tgtacatatt 300
 agactaggat gtcattatat ttggtccttg tatttagggc tccatattgt aagtagggta 360
 ccctagaaat ataggatttt tcagcccttg tatt 394

<210> 12810
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12810

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 ttctgtttat cttggtgata ctctgtctc atggcggttct aagaaataac ccattgtttc 120
 tcgtagttca tctgaagctg aatatcgtgc tctcgccacc acaacttgtg agcttcaatg 180
 gctcacttat ctctcaatg atctgcatgt ttctgctaaa caaccagctc tctctattg 240
 agataatcag tccgctttgc aaatcgcagc caatcaagta ttccatgaac gtacatagca 300
 catagatatt gattgccatc tagttagaga gaaagttcaa tctggtctga ttaattactt 360
 cctgttgctg ctccacaata gcttgccac atctttacga ag 402

<210> 12811
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12811

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 gaatgggagg aggggtgcgt atctccagta tgatagtga tttttcggga ttggctccaa 120
 tccccgcagc tgtgatcatt aagctgagga acttgctgcc acctaccaca aaagtacatt 180
 tttcagggtt gaggeccatg ttgtatttgc atagtccct gaatacttcc tctaggtcca 240

ccacatgttg gggatatgctt tgagacttga caactatgtc gtccacacat actttgacgt 300
 ttcatttgat ctgttggtta aagactcggg ccattagtcg ttgggtatgtc gcgcctgcat 360
 ttttgagggtc gaatggcatg accttgtagc aaaagttagc atcttcagtg atgaatgtcn 420
 gtttctcctg gtctggagaa tgcattctga tctg 454

<210> 12812
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 12812

agcttgtaat cgattacaca agtattttta tgcattacta tatgagattt tcaaataata 60
 atttccaaga gtcacatctg ttcaaattgt tttttgaatg accatcaaag gtctatttat 120
 atatgacttg gaacacgaat ttgcttagag tttttctgaa caaaaagtct tatcttctca 180
 aaaacaaaat tgtcttatcc tctaaaacat tccttggcca aaacacttgc aattcaataa 240
 ggaattattt gagtgcttca ttgtacaatc tatctctttc aagagagatt tcttcttctc 300
 ttcttcatac ttctgaaaag ggattaagag accgaagatc tcttggttgta aagaaatctg 360
 aacacaaaagg aagggttggtc cttgtgtggt tcagaagttg taaaggattt gcaagatagt 420
 ggtactc 427

<210> 12813
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12813

actctataat actcacagct tgtttaccct atgttngaat tgcttacaat agagcttggt 60
 atagcactca ctaattgttc tccttttgaa gttggttatg gttttaacc actaactcct 120
 cttgatcttt tgccatgcc taatgtttct gtttttaagc ataaagaagg tcaagcaaag 180
 gcagactatg tgaagaagct tcatgagaga gtcaaagatc aaattgagag gaaaaataaa 240
 agctatgcta aacaagccaa caaagggaga aagaaggttg tcttcgaacc cggagattgg 300
 gtttgggtgc acatgagaaa agaaagggtt ccggaacaaa ggaaatcaaa gcttcaacca 360

aggggagatg gaccatttca agtgcttgaa agaatcaatg acaatgctta caaagttgag 420
 ctgcccgggtg agtataatgt tagttccacc ttcaatgtct c 461

<210> 12814
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12814

tgagctcggc ttgagttgaa tacgtaaagc ttgagttgac atatgttttt ntaaggctc 60
 tgctcgactt acataaaagt ctgacttacg agcctattta aaagcttgct taaagacgctc 120
 ttttattaat taattatttt aaaacctagt gaaatactaa ctaaaaaaag aaacttataa 180
 aatttcgtat aaataatgta caaatctaaa aataattgat aaacaaaatt atattgaatt 240
 caagtcgtta aagcacaaag tatataaaaa aaataaaaat agcataatat taaaaaatgt 300
 atggattaga gatgatttac actaatatag ccaaacaaaa attattatta gttaaattaa 360
 caatttttaa tccaattttt ttaatatata attatattat atattnttaa aaaaaatata 420
 tccacaataa tttcatctta gtctactcaa g 451

<210> 12815
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12815

tgctgattac ttcaacattc ccggtgtctt cagtgtgtat ntactgcaa actctccctc 60
 aaacggtcca ggatacatag gcacctcagt gttgcaaact tctctccatg attttattga 120
 ggttattttc cagaacaacg aaaacaccat gcaatcttgg catcttgatg gttatgattt 180
 ttgggtcatt ggggatgcca gcttccttta tttataaact tttgtttcta ttatcaatat 240
 ttttattagt agaagcaatt tagaattagc ttaagaaagt tctaaagatg ttcattgacc 300
 cttgcagtca tggtttcggc cagtggacag atgctagcag aaaaacatat aatctagtgg 360
 atgccctgac tagacacact gcacaggtaa cttaacatga aagttcccta 410

<210> 12816

<211> 403
<212> DNA
<213> Glycine max

<400> 12816

gatcccttaag cacctgcagc atgcaagctt taaatttaaa cgacatactt tttactcgga 60
tttctgattg agtcccgtaa tatatcgaca agctcgaaat agaatcttga tgctctgagc 120
aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcctgta atatatcgag 180
acgctcgaaa ttgaatacgg aagctctgag caaattcaaa cgacaataac tttttactcg 240
gatgtctgat tgagtcccggt aatatatcga cagctcgaa atagaatctt gatgctctga 300
gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcctg taatatatcg 360
agacgctcaa aattgaatac cgaagctctg agcagattca aac 403

<210> 12817
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12817

agcttcgata aataatttcg agcgtttcta tatattacgg gactcagtca gacaaccaag 60
tgaaaagnta ttgtcgcttg aatatgctca gagcttcgat attccatttc gagcgtctcg 120
atatattacg agactcactc agaccaccga gtgaaaagtt attgtcgttt gaatttgctc 180
agagcttccg cattcgagtg caagcgtctc gatatattac gggactaaat cagacatctg 240
agtaaaaagt tattgacgct tgaatttgct caaagcatcg gtattccatt ttgagcgtct 300
cgatatatta cgggactcga tcagacgtct cgagaaaaa 339

<210> 12818
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12818

ntagttcact gcttcaagta gtgtacgata tgttttttat gaaatttcat tgcctaagag 60
ttactatcag gcgaagaaga tattgtgttc aatgggtatg gagtatcaga agattcatgc 120

ttgctcgaat gattgcatac tgtacagaca taaatttgaa gaaatgtcca aatgccctat 180
 gtgtggggta tcacgggtaca tagtcaagga tgatgatgag tgtagtagtg atgaaaactc 240
 aaagaagggc cccctagcga aggtgttggt gtatctttca attgttccaa ggtttaagcg 300
 tctttttgct aatggaaacg atgctaaaga catcttacat ggcatgcaaa tgagagcaac 360
 tgcgatggaa tgggtcgtca tccggatgat tgctcctagt ggaaaaggat agatcatctg 420
 ttttcgaatt tc 432

<210> 12819
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12819

agcttcaact acgacctcat tagctatcat tacaccatgg aggatatgtc tgcctttgag 60
 aaaagtagtt tgcctttcat caattaagtg aggcagcaca agagccagcc tattagccag 120
 gactttggac attattttgt agacacaccc tatgagagag atgggtctat agtcattaag 180
 agattggggg ctatttggttt tggggatgag ggctatgaag gatgcattac ttcctttggg 240
 gaatctgcca ttaatgaaga attcatcana gaatctgata aaat 284

<210> 12820
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12820

cctatgttgg tgatatgcta agatggacgt gtggacttga ctaccactct aataaagagt 60
 acaacagatg ttgtgtttga tgatttacgt tttctctctt tcttttatgt tcatatgcaa 120
 tgttcatttt tttctcttat ttcgctatat tctatctcct atttctatat atttgggatg 180
 ggtgtatttg actatctcaa gttcaaattg agatgagaga taacaattta tctaatatct 240
 gtgtcttttt tatacctgta tataataatc acatntttat actataatta aataataaga 300
 taaatcgtat aaactctagc acaatagata tgcagacgag ataactatta ctaaaaatac 360
 atatagaatt tattaatctt gggtaatagt taaaaaacat caaaagagtg tagtggagat 420

ggtgaacttt taanaagtta atagcaaaag agctgtgagt tgaaatttaa aattaataaa 480
 taaccatttt aaata 495

<210> 12821
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12821

agacacattc ctctgctttc atttactgga agttcaaagg tacttcatct ctctcttatt 60
 ttgattaaac attgtaatct ttatttttat gtgtttacaa cgtacattac attttcatga 120
 tagtattttt atgttacaac ctctactagt tagctaacaa gtgtaatata ttataatatt 180
 gttgaattca ttgttttggt ggttccattg gtattttattc taaataccta ttcttattct 240
 ataacatata tggtagtagc tgtaacataa aaattagtta gaataattat tatagctttt 300
 cttcttaatt catattataa ttgtgcgggg gacttacttt cntttaatac atattatact 360
 atgttatatt atcatagtgt gataaattat gttaatacaa ctggttacgt atcttttgta 420
 atggataagt catgga 436

<210> 12822
 <211> 177
 <212> DNA
 <213> Glycine max
 <400> 12822

gagttatatt tgattgtgta atagaacttg catgctacga ttaaacaacc agttgtcaag 60
 aacatgatga aagccttgta ctttcagttt accgctggag atctaccatt gtaccttggt 120
 gcctttacag gatactgggc ttatgggtct tccacagaag tgtatttgct gaatagt 177

<210> 12823
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12823

gatccttaag tcacctgcng catgcaagct tcgataatca atttcgagcg tcttgatata 60

ttactagact cagtcagaca tccgagtaaa atgttattgt cngtttgaat tgctaagagc 120
 ttcgataatc aatttcgacc gtctccatat attacgggac tcagtcagac aaccgagtga 180
 aaagttattg tcgtttgaat ttgctaagag cttcgataat caatttcgac cgtctccata 240
 tattacggga ctcagtcaga caaccgagtg aaaagttatt gtcgtttgaa tttgctaaga 300
 gtttcgataa tcaatttcga ccgtctccat atattacggg actcagtcag acatccgagt 360
 aaaatgttat tgtcgtttga atttgctaag agcttctata atcaatttcg agcgtctcca 420
 tatat 425

<210> 12824
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 12824
 atcgtctcga tgtattacgt gactcaatca gacatctgag tgagaacggt attgtcgttt 60
 gaatttgctg agagcttcaa cattcaattt ctagcatctc gatataatttc gggactcaat 120
 cagacatccg agtaaaaagt tattgtcgtt tgaattttct gagagcttca acattcaatt 180
 tcgagcgtct cgatgtatta tgggactcta tcagacatct gagtaaaaaa gttattgtcg 240
 tttgaaatcg ccaaagcttc aacattcaat ttcgagcgtc ttgat 285

<210> 12825
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 12825
 tcacctgccg catgcaagct tctacaaagg tgtgttccta atttctatga gtaaagctag 60
 tgaagaagaa tgtggcattc acttgtggtg aaagacaagg gcaagccttt gctttactca 120
 aagaatagct caccaaggca cctgttctag ctcttccaga cttttctaaa acttttgagc 180
 ttgaatgtga tgccctctgga gtgggagttg gagctatatt gttacaaggt tggcacccta 240
 ttgcttattt tacttgagga ataaactcaa gcccaagagg tgtggcaatg ctaacaagtg 300
 tctttttaca aaggagaaaa tatggaggtt gtctaagagg ggaaatttct ttaataattg 360
 tctttatttc aaaatgtctt cccttcttag ctaacctctt ggaggagaca cttacctcct 420

ta

422

<210> 12826
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12826

gacaatatct ntttactcgt atgtctgatt gagtcccgtc atataacgag acgctcgaaa 60
ttgaatgttg aagctctgag ccaattcatg cgacaatata tttttactcg gatgtctgat 120
tgaagcccggt aatatatcga gagcgtcgaa attgaatggt gaagctctga gccaatcaa 180
acgacaataa ctttntact cgatgtctga ttgaatcctg tcatatatcg agacgctcga 240
aattgaatgt tgaacctctg agcgaattca aacgacaata actntttact cagatgtctg 300
atatagtctc gtaatatatc gagacgctcg aaattgatg 339

<210> 12827
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12827

atgtaatact atatttatct gatgtaggct attattgata aataatattg gattaatgaa 60
gctcaatatt cttagaaaga taatgaagtg taaccatact tacctttgaa gtgagtgaag 120
ttctaccata tgaaaaataa gattaattat aattagggtat caagacttaa gaacctttat 180
atttaggaat tttgtacatt tattaaagtt tatcacacta atgattatgt gaaaaatcat 240
cataaaatca aagaattctg aagatcttga tataataaaa aaagtataat aacttgaaga 300
acgtatttat tgtattgcac tacacaataa atgttactat actgtagtag tgtatatatt 360
atagtngtat aagatactga ttttttata 389

<210> 12828
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12828

ngcttaagat aatggtacgg anataccata tcccgtggta ccttccaaga aagataagga 60
 ccgccatctg gcgagattcc tagacatttt caggaaactg gaaataacta tgccctttgg 120
 agaagctttg cagcagatgc cactctactc aatgtttttg aaagatatgt tgacaaggaa 180
 gcacaaatac attcactatg agaatatcat tgtggaaggc aactgcagtg ttgtgatata 240
 gaagatcctt ccaccaaacc acaaggaccc tggaagtatg actattcctt gttcaatang 300
 tgaagtcaca gtgggaaagg ctctcattga ctntgtagcc aatatcaact tgatgccact 360
 ctccatgtgt 370

<210> 12829
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12829

tactaagcta tttagtccta tttgattctt aattacacac tagaatttcc tctcctgtag 60
 aaacaaaccc tntgagttga ttcatataaa cttcttcttc taagtcacca ttcagaanag 120
 gcggtcttta gatccatttg gtgaagctcc aaatcaaag agccactaaa gccaacacaa 180
 gccacaaaga gtccttctta gaaacagaag agatagtctc tttgtagttg atgcaatcct 240
 atcccgcgaag ggcattggat agaagaactc cagtagattg ngccagagat gtaagagaag 300
 gccctanggt tctcatgagc cttangatag atttcggacc catgggctaa gtatgtgccc 360
 acttatcttt atacatatnt gattaagatt tcattanttt tgggccttat a 411

<210> 12830
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12830

agcttggcat tcccattggg ggaaggacct tataagactn tataatcagt ctgatttcca 60
 cagtatccag tagaatatgg tatggaagggt tggttgtggc gacaaaatca aattttggca 120
 agattcttga ctgagtgagg gctgtaagca tttcaaaaaa agattcttgg caatatggaa 180
 ggaacgttag tttattaata atattcaaag aaagattctc atagtataac ccgtgcagac 240

caaccctgga tgggattcag ttntcttctc ttggccaagg gcagaacgaa agccttggtg 300
ctagattctc tgaagtggaa attaagtctg cagtttgccg ttgtagtgga gataaaaagca 360
ctggcccgta tggtttgaac ttcaactttt atcaagtagt ttgggaaatt ctaaaacctg 420
atttcatcac gttcttcgat gagttcttca ttaa 454

<210> 12831
<211> 298
<212> DNA
<213> Glycine max

<400> 12831

tcatttatcc tatcttctac agccaatggg tgagttccgt gcaggtagtc ccttaaacia 60
tcggcctcac cgtgatagaa aatgagaatg aggagcttat tcctactccg gtgcagaaca 120
gttgagagat ctgcattgac tatacgaagt tgaaccaagt taccaaaaac gaccattctt 180
cactgtcatt cattgaccag atgcttgaac acctgtcagg caaatcttac tattgtatac 240
ttgatggttt ttctgggtat atgcaaaaaca ctattgctct tgacgatcat gaaaagac 298

<210> 12832
<211> 288
<212> DNA
<213> Glycine max

<400> 12832

catgcaagct tgtgttgac aagttggtgg tattcatata aagatggggt tgagcttata 60
tgtcattact tagtggaaatt ctacttttat gatgcttgag agtgcccttg tatatcgatg 120
tgctttttgt agtcttgaat ttgatgatag gagctattca agttgtctta ttaatgatga 180
atggaagaga ggacaaaaaa tgtgtgaatt tttgcgtccc ttttttcaaa tcacagagtt 240
gatatctggt tcctcttacc caacgtctaa tttgtaattt atgcaagt 288

<210> 12833
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12833

atgacgaggt tgagtcgccg ctgtggctgc ctactggct tagcttcac cttctaaaagt 60
atcctatgca tgcaggtaga tgggctaata ctaggaatgt ctgctaaagt ccatctaata 120
gctttcttgt gcttcttgag aactatcaac aacttctcgt cttgcttagc agcaagggag 180
gcagagatga tcaactgngaa attttccttg tctccaagt aagcatattt gaggggttctg 240
gtaagggctt caactctagt gtgggtggtg gctaaacagt gggaggaacc atggtaggag 300
aagaaaaagg ttcctcagcc tatacctcat aaagcaagtc agaagtatat gtacctcctg 360
caacatggnt agtgcattct gactctacaa aatcaacatc aagaggtaca acat 414

<210> 12834

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12834

agcttgttct tgactcatct tctccttgaa gtggcatctc caatcatctt tcttcttct 60
ccgttccgct gccattgac ttcaagtagc aaaggactcc attgatgaag aagattgaag 120
gcctacaagc tccacatgga gctacgtcat tgatgcctat agatagtctc ctccaagtcc 180
ccatgtagaa aagcagttct gacatgctcc aactccatat catgtcgatt cataattgcc 240
atcaaaactcc acaatttctg aggtgccttg atgttatagt tgaagatagg catctattaa 300
tcccatanat tgtggcactt atagcttcac cccagaaact ctttggtagt cctacacca 360
aacgcataca cctcacagc tctagaatga tctattcat cctctcagct agaccatttt 420
gtcgaggagt ctatgccaca atcctatgcc ttttgatacc atg 463

<210> 12835

<211> 278

<212> DNA

<213> Glycine max

<400> 12835

ttctcttct cgaagctctt ctctagatac tgaacctggc tcgcagatat acgtcgctgc 60
ttctctggtt gatgaaagta ctgtccatg cactcatccc cattgtcgtg catgtcaaac 120
gcgcggaaga aggagccgtt acacccttc cctccttctg cttcaaaact catcatggat 180
ctcgaacctg aaccagatta taacaaaaac accatccatt agtcataggt caaaaacaaa 240

aattggtgat agagaggtta tattaggttc tttttttt

278

<210> 12836

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12836

cacctgccgc atgcaagctn ggccaaacca aaatcagcaa ctttaggaca taagtttctg 60

tccaagagaa tatttcccg tttaatgtcg tagtggatta ttctctgttg gcactcttca 120

tgtaagtaag caatgcctct cgcagtacca actgcatct catgaagctt ttcgaatgat 180

aaggttgtgt tttcgtgaaa caggctacttc tcgagtgcac cattcaccat gtactcgtaa 240

accagtgtc tcaagtgtct ttcgaagcaa aacccatata gacgaactag attaaaatga 300

tggacttttc caatgggtacc cacttctgcc ataaactgct catcaattct cttgtcagaa 360

ctccacgta gaactttcac ggctacgatg gttccgtngc tgaaacttcc tttataaaca 420

ac 422

<210> 12837

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12837

cgccgccacg gagttntccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60

agcaaganat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtt ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccga 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaat 377

<210> 12838

<211> 275

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12838

agcttgaaat tgaacaacgg aagctctcga gataatcgag tggtcataat atttcacaca 60
gatgtccgat tcggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
gagaaatttg aatggtcata acatttcact cggatgttcg atccggggac ataatttatac 180
gagacgtctc gaaatgaaca accgaagctc tcgacaaatt agaatggctc taacttttta 240
cgcgaaatggt cgantcgggg acataactca tctag 275

<210> 12839
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12839

actatgcaaa gagtatccaa ggaaaatttc ttcattctgac ttagaatcaa actttcctaa 60
gttttctttt ccattgttta atacaaaaca cttgcaacca aaaacatgaa gatgcgagat 120
atttggtttc ctaccattaa acaattcata tggagttttc tttaaaatga gtcttattaa 180
atccctatcc atgatataac atatagtatt aacgaattca tccccaaaat attttgaag 240
aggagtatca tataataagg ttctagcaat ttcttccaaa gacctatttt tcctttcaac 300
aactccattn tgttgagggg ttctaggtgc agaaaagtta tgttcaatgc catgtttttc 360
acanaataaa tcaaattctn ntatttcana ttcactccca tgatcacttc taatagatat 420
aattctgaga attttcttat tttgaat 447

<210> 12840
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12840

tgccgcatgc aagcttatcc ttattgttgt aggtgtggtt catgtctgtg taaatagaca 60
aataattcat ttctagaata gttcatnttt ctttaaaacg tgggtttataa agatcaaaac 120

attttcaaat cttgggtttt gttcaaaaca gatttttttt tccctttcat ttgttcacca 180
 aaaaatgcac acgtttttta cttcatttaa ttattattga ttaaaacatt ntcattgttt 240
 gatttgattc aacacacgtt tgattntatt tcttctttca tttactcacc aacaattgga 300
 acatatataa tcgtattata taagaaggga aacacattta aatttttgca ttaattttta 360
 taanatatcn tttattagaa atcanataac agtataaatt aatatgaaat attgtacatt 420
 tatgtaagaa gatnnntggg ttttaatttc catcaagaat tctacagata tgctgttatt 480
 ataccagaaa ttcaggatta attaaactta ct 512

<210> 12841
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12841

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 cttgaacttc acctgtaacg tcatcaagtt ctgggttact caatgttttt gtgttgatat 120
 gcatcattgg cttcttgctt ggatcatggt tgctccttcat ccatgtgttc agctcatcaa 180
 attgcacatc cctactgaaa actattcgat tcgttcttgg atttaagagt ttgtatgacc 240
 ctgtgggatt atagccaaca aagatcatgt gttcactctt gtcattcaat atcttccttg 300
 tatgatcacg aatatgnttg taacatgttg agccaaaaac tctcatatgc ttcacagatg 360
 gtgttttccc tgaccata 378

<210> 12842
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12842

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 gttagtcca ccttcaatgt ctctgatcta tctctttatg atgcagatgg agaattccgat 120
 ttgaggacaa atcctttctca agaggggagag aatgatgagg acatgacca gagcatgggc 180
 aaagatccac ttgaaggact tggatgacct atgacaatgg ctagagcaag gaaagccaat 240

gaagctcttc aacaagtgct gtccatacta tttgaataca agcccaagtt tcaaggagaa 300
aagtccaagg atgtgagttg tatcatggcc cacatggagg aggactatat gacaccactt 360
tgcttcaatn ttagagtggg tagtttggct aaataatggc ccaatccttg taaaagtggc 420
tgaccaaaaa tatagtttgt gtaatc 446

<210> 12843
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12843

tcgcacttga taatggagac acatgaacag cgctaggcaa cgacattcat ggcgctccga 60
acaaagggtgg agtatggagg attgccttga gggctccgcac ttangcaatc atgaaactaa 120
gctccaaact cgaaagtgga ggacacatga acaaccctaa gcaataatat tcatgtggct 180
ccgaanaagg atgagaatgg aggattgcct tgagggtcct ctcttangca atcatggaac 240
acagctccaa actcgaaaac ggaggacaca tgaatgaaac cgcaattcat tcacgtggct 300
ccggaacagg atgagaatgg aggattgcct tgagggtcct ctcttatgca atcatggaac 360
acagctccaa tcatggaaca cagctccata ctcgagaacg gangacacat gaatgacaac 420
gccattcatt cac 433

<210> 12844
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12844

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gttttgaagt tcattacaag ccttaagtga aaaaccatga tatcacctta cccttaagga 120
attntggagc tttggaattg ttctgggaat aagctgggtg ttagtgctta gctntactga 180
gttttaaaag attggctaaa attttgttaa aacataagca cttatacaat gaaggaaagc 240
tggagttgct gcacatgatg tccaacgtta tgtcaaggaa tcagatcggg ctgcacaatg 300
cacaaggcaa gataaaatgt caaatgaaga attgaagctg caggatccac gatgtcggat 360

acaatgtcca ggacatcctg cccganaata ctggacacat aaatctgtta tatctttaac 420
agaataatgt gcagtttagca acanaattat gcgatctatc tt 462

<210> 12845
<211> 282
<212> DNA
<213> Glycine max

<400> 12845

tccgatatct gatcgagtcc cgtaatctat tgagacgctc gaaattgaat tctgaagctg 60
tgagctaatt caaacgacaa taatgttttg catggatgtc tgattgagtc ccgtaataca 120
tcgagacgct cgaaattgaa ttctgaagct ctgagctaat tcatacgaca ataaactttt 180
gctcggatgt ctgattgagt cccgtaatct attgagatgc tcgaaattga attttgaacc 240
tctgagctaa ttcaaacgac aagtaacttt tactcggatg tc 282

<210> 12846
<211> 423
<212> DNA
<213> Glycine max

<400> 12846

ctgccgcatg caagcttata attcaatttc gatcatctcg atatattacg ggactcaatc 60
agacatctga gtaaaaaagt tattgtcgtt tgaatttgcg gagagcttca acattcaatt 120
tcgagcgtct cgatgtatta cgggactcaa tcagacatcc gagtaaaatg ttagtcattt 180
gaattagctc tcagcttcag aattcaattt cgagcgtctc aatagattat gggactcaat 240
cagacatccg cgcaaaaagt tattgtcgtt tgaatttgcg gagagcttca acattcaatt 300
tcgagcgtct cgatgtatta cgggactcaa tcagacatcc gagtaaaatg ttattgtcat 360
ttgaattatc tctcagcttc agaattcaat atcgagcgtc taaatagatt atgggactca 420
atc 423

<210> 12847
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12847

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 gttagcgtctc caaccatctt tcttcctttt ccattccact gccattgatc ttcaagaagc 120
 aaagcactcc attgatgaag aagatccaag gctacaagc tntacatgga gctatatcat 180
 gtggtatcaa gagcattttc atctangtga tgttcttttg attcctctat ctttttgttt 240
 ggtcaattca ctataattcc ttgttcttca tcttcttctc catgtatctc ctcaattttc 300
 ttgtagtatg gtgttggtta gtgtagatca aaaaaataa acccgataaa tcttagatct 360
 aactcgcctc tngcatatct atggttgcaa atttatagat aaactcttga atcatgtttg 420
 tgttgattta ggtctatcat ttttantata atatcttgtt tgaacctt 468

<210> 12848
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 12848

tgtgttctcc cttgtagaac tactaactgc agtaacagtt gcagcccaac tattcggtag 60
 tgatgacaat agaatcatct catectcaaa tttaatctgc actgactcca actgggcaag 120
 aatagtatta aattcattaa tatgatcagt tacagagata ccttctctca tcttgaggtt 180
 gaacaaccaa cacatcaagt atactttgtt ggctaccgac aacttctcgt acatatctga 240
 taactccttc attaagccta caatagtctt ctcgtttacg atgttgaacg tgacattctt 300
 agctaatgtc aatctaata tgccaagagc ttgtcgatta gcaagttcca ttcttcttgc 360
 ttcatgtcgt ctaacttaac ccctgatat 389

<210> 12849
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 12849

tagtttaact attcacacgg atgtccgatt cgggcgcata atatgtcgac aggctcgaaa 60
 ttgaacaaca aaagctcttg agaaattaac tggtaaaact gttccacgga tgtccgatat 120
 catgcgaatc acatatcgag acgctctaaa ttgaacaact gaagcttctg acaaattcaa 180
 ttggcctaac ttttcacacg gatgtcccat acaggctcat aatatatcta tacgctctaa 240

attatacatc agaaactctc gcgacatgca aatagtcata acttttcaca ctg 293

<210> 12850
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12850

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gaacatctcg atatattatg cgcccgaatc atacattcgt gtgataaatt atgaccaata 120
gaattttctcg agagcttccg ttgttcattg tcaagagcct ctatattgga tgcgcctgaa 180
tcggacatct tgagtaaaag ttatgactat ttgtattatt aagagcttac gtgcccatt 240
ttgagcgtct agatatgtga ttctcatgaa tcggacatcc gtgtgaagag gtatgactat 300
ttgaattttct caagaccttt cgttgttcaa ttttgagcgt ctcgatatgt gattcgcccg 360
aat 363

<210> 12851
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12851

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ctgctgatgg ctgttttccg ttccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacagcaa tgtggactgc ttcattccaa aatgtgttag 180
gtagtagtct cttcttcttg agcatcgatc tagccatctc cataactgtg cgattctttc 240
tctcagacac tccattntgt tgaggagaat atgcgactgt aagttgtcgc tcaatgcttt 300
catctcaca aaatctttca aactcgcgag aggtgtactc tttgccgcga tcacttctta 360
gtact 365

<210> 12852
<211> 369
<212> DNA
<213> Glycine max

<400> 12852

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gtgaatgtag ttcctcgtca tccatgtttg tgagcacaaa ggccccctcg gagaaagctt 120
tctttactac gaagggccct tcatagtttg gggcccactt tcccctatgg cttttaaggc 180
atgagaagac tttcttcagc accagggtccc cttcactgaa cttgcgaggg tgtaccttct 240
tgtcgaaagt gttcttcacc cgtctctggg acaaacgccc atgggtcata acggctagac 300
gcttgccctc tatgagaatg agctgatcaa aatgcgcctg gtcccactct gaatccttta 360
atctggact 369

<210> 12853

<211> 310

<212> DNA

<213> Glycine max

<400> 12853

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aattctttga ctgtcttagg tcttgggcac tggtggattg ccttaatttt atcaggatct 120
ggatgcaccc ctttggcaaa aatcaaagt cccacgtaat tgatttttgt cgtgccaaag 180
ctacattttt tgtagttgag tgtcaagccg tgttcttgta gtattttag tagtagtggc 240
agacattgaa tgtgttctga ccatgtattg gtatagacca agatgtcatc aaagaaaatc 300
aaaatgaact 310

<210> 12854

<211> 332

<212> DNA

<213> Glycine max

<400> 12854

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ttgtgagaaa aaaatccatg gggtaaattg attcaaagta aaactcaagt aactccattt 120
tgtatcttgg atctaaaaca gtagcaatc ctatgatcac atgaatgaca ctccaataag 180
aatcaaattt gtctaacatc ttttttgcca ttttttgaat cacttcatta ggggaattga 240
cccattcaaa taaagccatc ttgatctcac aaatttgagg aaaataaatg ttagcagttg 300

gatattttgt gcttgaaatc atttatgtaa ta

332

<210> 12855
<211> 324
<212> DNA
<213> Glycine max

<400> 12855

agcttgtagc aaatgcattt ctttataact tttagctcgg atatccgatt gagtcccgta 60
atacatcaag acgctcgaaa ttgaatacag aagctcttag caaattaaaa cgacaataac 120
tttctactcg gatgtccgat tgggtcacgt aatatatcga gtcgctcgaa ctgaatacag 180
aagggtgagaa ctaattcaaa cgacaatgac ttttaactcg gatatcccat tgagtcccgt 240
aatatatcaa gatgttcgaa atggaatata gaagctgtga gaaaattcaa acgacaataa 300
ctttttactc ggatattcga ttga 324

<210> 12856
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12856

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tatcgagacg ctccgacttg aacgccgaag ctctgagcaa attcaaacga caataacttt 120
ttactcgatg gtctgattca ctcccgtaat atgtcgagac gctcgaaatt gaataccgaa 180
gctctgagca aattcaaacg acaataactt tttactcgga tgtctgattc agtcccgtaa 240
tatatcgaaa cgctcgatat tgaatgttga agctctgagc aacttcaaac gacaataact 300
ttttactcag atgtctgatt gagaccgctc atatatcaag acgctcgaaa ttgcataccg 360
aagctctgac aataactcaaa cgacaattac attttactcg gat 403

<210> 12857
<211> 334
<212> DNA
<213> Glycine max

<400> 12857

agcttcgata atcaatttca tcgtcttgat atattactag actcagtcag acatccgagt 60
aaaatgttat tgtcgtttga atttgctaag agcttcgata atcaatttcg accgtctcca 120
tatattacgg gactcagtc gacaaccgag tgaaaagtta ttgtcgtttg aatttgctaa 180
gagcttcgat aatcaatttc gaccgtctcc atatattacg ggactcagtc agacaaccga 240
gtgaaaagtt attgtcgttt gaatttgcta agagcttcga taatcaattt cgaccgtctc 300
cattattttac gggacttaat cagacatccg agta 334

<210> 12858
<211> 329
<212> DNA
<213> Glycine max

<400> 12858

agcttattaa aaatatgtat actaaaacaa tatacatgta acacctaaaa gtttaaacaa 60
aaaatattgc ttcaaaacgc tttaatttaa tttatttttag aaatacacat cacttttttt 120
aaccgttact tataaataat aaaaacaact ttctatacta ttttttttaca aaacaaaatg 180
tgatagttgg aaaatgctaa atagttgcat gaaattaaaa taaatgcaaa tgtagagtaa 240
ttcaatttct atacataaat aaaatgaaac ttgcagtgtc acagagaaat atatggatac 300
aacccataat agtgtgataa taaacaaaa 329

<210> 12859
<211> 273
<212> DNA
<213> Glycine max

<400> 12859

agctttctaaa tggatctctt cttgctcact tagtttcaac ttcttttctt ctccaacccg 60
atcaatagag aagttgtagg tctttacagc ccagtaggct ttgtgctcta tctctacagg 120
aagatgacat gccttttcaa agacaacca ataaggagac attcctatgg gtgcttttga 180
ggcaatctta tgcgccccaa gagcatcatc ctgcctagtg ctccaatctt tgctgttggg 240
ctgcaccatc ttcttctga tgattattat tcg 273

<210> 12860
<211> 333
<212> DNA

<213> Glycine max

<400> 12860

agcttctttat tcttatatta gttttaaaaa tattcaataa ttttcattct aatgatagaa 60
ttcaacttga atttttaact tttttttatt gagtctcatt ttatcttttc ccacacacaa 120
caattcaaat tttgacttgg gaaaattatt tttccaatga ttaagcaacc ttgcttgtag 180
tcatttatac aagcaactta tgtaagcatt ttaaagaatt cattaatttg ttctaatagt 240
attctcaggt cagttaacta caaacaatta tgatttcttc aggacacaca tattctcctt 300
gattctcttg aaattgaact cgttatgtac ctt 333

<210> 12861

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12861

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atagcacatg aggtagcaat cacaggctat gtagatgcag attttgcagg aaatgtagac 120
acaagaaagt ccttaactgg atatgtgttt actttgtttg gagcaacaat cagttggaaa 180
gcaaataaac aatcagttgt tgctctttca acaactgaag cagagtacat ggccctagct 240
gaaggagtga aagaagcaat ttggctaaaa ggaatgggtat atgaactcgg aatagcacia 300
ccttgtgcac aattactgtg aagtcaaagg ccatt 335

<210> 12862

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12862

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cttctatttt cctttaaaac tttctaaata tagcagaaga ttatttttca gggaacattg 120
atagatggga aagtgatagc tgtgaaaagg ctttcaaaga agtccaaaca agggctggat 180
gagttaaaaa atgaggtggc actgattgcc aaacttcagc accgtaatct tgtaaagctt 240

cttggctgct gcattgaagg agaagaaaaa atgttaattt atgaatacat gccaacctc 300
agcttggact gctttctttt tgagtggacc ccttacgatg ttattctaaa catcttagat 360
aatcagcata tt 372

<210> 12863
<211> 328
<212> DNA
<213> Glycine max

<400> 12863

agcttctaaa tttttatttg atgaagctct gataccactt gttggacaag tggccttaga 60
tatcttaaga agggaggggg ttgaattaag ataccacaaa ctatttcccc aattaaaaat 120
tttactcttc tttaatgaaa atttcaatgc actcttatta tgaattattg taagataatt 180
caaactaaac ttccttaatg ccaaagataa acaacaataa ataaagaatt ttaagagaag 240
agaaagtgca aactcaggtt ttttactagt tcagccacgc cctgtgecta cgtctagtcc 300
ccaagcaacc cgcttgagat ttccacta 328

<210> 12864
<211> 373
<212> DNA
<213> Glycine max

<400> 12864

tgcctacaag attgacttgc ctagtgagta ttatgtaagt gccactttca atgtgtctga 60
tctatctctt tttgatgcag atggaggagc cttggatttg aggacaaatc cttttcaagg 120
agggagtgat gaagacataa ccaagggcaa ggaccatgaa gcacttgaag gtcccatgac 180
cagaggcaga cttaaacaag cccaacacat catagagaca aggctgggtca tttgtatagc 240
tgtcattgat gatgattgaa ggccaagtg gagaaagatg aaagcccaca cgcagaggct 300
ctaccaagac tactaattgt tgctgaaggc gcataactaac ttgaaggccc aagctaaata 360
agtgtttagt tat 373

<210> 12865
<211> 328
<212> DNA
<213> Glycine max

<400> 12865

agctttgagc caactcttac gacaataacc ttttactcga atggctgatt gagtcccgta 60
acatatcgag acgctcgaaa ttgaatgttg aagctctcat ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtctcgt catatatcga gacgcttgaa attgaatgtc 180
gaagctctta gccaacacaa acgacaataa ctttttactc ggatgtctaa ttgagtcccg 240
taacatatcg agacgctcga aattgaatgt tgaagctctc agccaattca aacgacaata 300
actttttaca cggatgcctg attgagtc 328

<210> 12866

<211> 330

<212> DNA

<213> Glycine max

<400> 12866

agcttcagat atgttcctta tgcttcattgt aaactcggcc aaaatcgta agggaaacctc 60
ggatccctgc tatatacaat actataagga attccatgca acctagctac ttgcttgatg 120
tacaaatcca cgagtttttc cgttctatac gatatacaca ccggaataaa atgagcagat 180
ttggtgagtc gaactactat gaccacaca gcatcatgtc cacaactagg ctagcgtcaa 240
ctaaatacag aatccataca tatgctctcc cagcttccat tctggaagtt acaatggcta 300
catttttgcg gatggatact ggtgtacaga 330

<210> 12867

<211> 320

<212> DNA

<213> Glycine max

<400> 12867

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cttcttcaag ataactactt tttactcgtt cattgaaatt ggccattca tctacagtac 120
attaatgaca tacagtaaatt gagtgcacat gtactaaaga agggtagaaa tgtatggaag 180
catataaaat actcaccagg atatatcttt ttcaggtaga ataaaattga tattccatct 240
tcattttcct tattgagttc ctcatcagaa tataacaacat cttctttgaa atatggtgtc 300
agaacactga agcaatactc 320

<210> 12868
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 12868

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 tcaccctaatt ctcagatggg ctagccctta acagcaacaa cagcagcctg ctccttcctt 120
 ccaaaatggt gttggcccaa gtagaccata cattcctcca ccaatccaac aacagcaaca 180
 gccccagaaa taaccaacag ttgaggcccc tccgcaacct tccctcgaag aacttgtgag 240
 gcaaatgact atgcaaaaaca tgcagtttca acaagagacc atagcctcca ttcagagctt 300
 aactaatcag atggggacaat cggctacata attaaatcaa caacagtgcc agaattctga 360

<210> 12869
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 12869

tataaaactc agctttcttac atagtccgcc tttgcttgac cttctttttt cttaaaaaca 60
 gaaacattag gcataggcaa aagatcaaga ggagtttagt gattaaaacc ataaacaact 120
 tcaaaaggag aacaattagt ggtgctatga acagctctat tgtaagcaaa ttcaacatgg 180
 ggtaaacaag cttcccaagt ttttaagtgc ttctcaaaa ctgtcctaag caaagttccc 240
 aaagtcttat taacaacttc cgtttgccca tcggtttggt ggtgacaagt ggttgaaaat 300
 aacaatttag tgcccaactt gctccacaaa gtcctccaaa atttttttag gaacttagag 360
 tcctatcac taacaatgct ccttggcaga ccatggagtc tcacaatctc cttgaaaaac 420
 aaatcagcca catgggaagc atcatcaact gttttacat 459

<210> 12870
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12870

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cagtagtcat gatgcaagct ccattggagc ttgtaggcct aggatcttct tcatcaatgg 120
 attcctttgc ttcttggaag ataaatggca gcggaatgga gaaggaagag agagaggaga 180
 cgccacttca aggagaagat gagtctagaa gaagctcacc accataggag gccatggata 240
 agagcttggg ggaagaagga gatgaatgaa gggagaggga gagaagagca cgaaattttg 300
 tgctcaaaaa gagctctgaa atctgaagtt aatattcaaa tgatcaaagn tcaaaaaaat 360
 gcacacacat gacctctatt tatagcctaa gtgtcaca 398

<210> 12871
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 12871

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 gagaggccaa aagaagttgt tgcttctcgt cattataatt ctctctttga tgcattgttg 120
 gatagcctct ctagagttct tgaccgatgc attgagacta accttggtct taactttgaa 180
 aattgtcatt ttatgggtcca tgaatgtata gtcttaggac atttggtctc taatagaggt 240
 attgaggtca ataaggccaa gatcgatgtt attacttttt ttctttacct cgcttctgtg 300
 taggaagtac ttctttttct tggacatgca tgttttttaca tgagattcat ccaagaattt 360
 agcaagattg ccctgccatt attcaagctt ct 392

<210> 12872
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 12872

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 tggaaaacta tccttgatag ttattgcgtt aagagctcta taatccgtac ataccgcca 120
 cgaaccatct ttcttcttca caagaattat tgggtgaagag aaaggacttt tgctgggttg 180
 tataattcct tcttgagta tacctgccac taatttttcg atttctctt tttggctatg 240
 aggataacga tatggcttta ctttaactgg tactgaatct tccattaatg gaataaaatg 300
 atcttgtgct tgaggaggtg gcaatga 327

<210> 12873
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 12873

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agctttgatc taccaccttc gtctccacca tcattttagt ttttctctta ttttaaatatt 60
agtagtactt tgatttccag ccgtgtatit cgctatatatta ttatgacatt tgaacaattt 120
agtaactctt tatttgcatt gtgtgtttga acaattatga attatgttat atgactatgt 180
gatttttcta tatatttgat ctatgcatgt ttcttgcttc atgattagtt tatatttctc 240
catgattgtt gtgtgaatga ttagttgtat ttgtatgttt catacttgtt acgcactttg 300
gctttttgtt gatgccaaag ggggagagaa a 331
```

<210> 12874
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12874

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gagtctcctt acattaaaag atcttccttt tttgttgga gaaaaccatc atcctccact 60
tcactagagg aactatgaga actcttagat gactcactat ccacctctcc attctccaac 120
ataatcatgg tccttttgtt aggacattgg gatgcaatat gacccttttc caaacaatta 180
aagcatttaa tggaactagt tatattggga aggggttgag taggagaagt aggattacat 240
cttgaagact tcctttcaag atgctgtgaa gaagaaccct ccttcttaga agtgtcttta 300
tccttccaat ttgaaagggt agtcttcttg taggtttgtt tcctcttcaa ttgttgctcc 360
actttcatag tcctatgtan taagtcattc atgttggtgt agctttgaag ctctacaaca 420
tcttgaatgt ccctattc 438
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<210> 12875
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 12875

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 gctgcctttg atcttcaaaa aataaaggac tccattgatg aagatacaag gcctacaagc 120
 tctacatgga gctaaatcat gtggtatcaa agcatcttca tctaagtgat tatctttagt 180
 tatctctatc ttttgatcag tcaattcact ttaattcctt tctttatcga ataatccatg 240
 tatctcttcc attgaggatt gaggctgttt aaagtacata acaaaaataa accgattaaa 300
 tcttagatct acacttggtc ttgcatttct atggttcaaa atttataaat ccactattaa 360
 atca 364

<210> 12876
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 12876
 agctttaaga tacttctttt acttgcattg agtgtggttag tgcttagctc taccgagtgt 60
 ttaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa ggaaagctgg 120
 agttgctgca catgatgtcc aacgctatgt caaggaatca gattgggctg cacaatgcac 180
 aaggcaagat aaaatgtcaa atgatgaatt gaagctgcag gatccacgat gtcggataca 240
 atgtccagga catcctgctc gaaaatactg gtcacataaa tctgttatat ctttaacaga 300
 ttgtgcagga tccacgatgt cggatacaat 330

<210> 12877
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 12877
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 ctaatggaga aagaatgttg tctttgaacc cggagattgt gtttgggtgc acatgacaaa 120
 agataggttt gcggatcaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgatg agtataatgt 240
 taattccacc ttcaatgtct ctgattttatc tctttatgat gcatatggag aatccgattt 300
 gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggtcaa 360

ggatccactt gaaggacttg gaggacctat gacaagggct ag

402

<210> 12878

<211> 420

<212> DNA

<213> Glycine max

<400> 12878

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aagcctatga caggtaatga gctcaagcct tacgtattca actcaagcca agctcaagcc 120

tagtaaagct tggcctggct tggctcattt tcacccttag ttgcgacata attcatacaa 180

agcataagaa taacaagcta aaagcctaag aataacctac tttctcacgg aacaaccgct 240

ccaattcgtg ctggaatctc ttttcatatg catagtagta gtagtagtaa taggttttta 300

tacattgaca tgggcttgga cttgtcgtga cacccttact taagtggggc tccttctttc 360

aatcttggtt gccactgtc ttcaattgct taagtgatgc ttaaacgcct aaattggctt 420

<210> 12879

<211> 331

<212> DNA

<213> Glycine max

<400> 12879

agcttctatt ctcaattttt agtgtctcga tatattacgg gactcaatcg gacatccgag 60

taaaaactta ttgtcgtttg aatttgctta gagcatatat tctcaatttc gagtgtctcg 120

atgtattacg tgactcaatc gaacatccga gtaaaatggt attgcagttt gcatttgcaa 180

caagcttctg atttcaattt ggatcgtctc gatctatgat gggactcaat cggacatccg 240

agttaaaagt tattgcggtt tgcatttgct acgagcttcc gctttcaact acgagcgtct 300

tgatatatta ctggactcaa tcgaacatca g 331

<210> 12880

<211> 345

<212> DNA

<213> Glycine max

<400> 12880

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aaaaagtact accggacttg tatTTTTtTat gggcgattga ggtttttacat ggaggtctaa 120
 gaagcaaggc attgtgacac tttctactag tgaagccgag tatgtatgct gcaacttctt 180
 gcacatgtca tgccatttgg ctaagaagat tgttggagga acttcagttg ttgcaaaaagg 240
 aaagcacaaa gatctatgct gataatagat ctgcccaaga gcttgccaag aatccggcgt 300
 tccatgaacg aagtaagcat atagatacaa ggtatcattt catta 345

<210> 12881
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 12881

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 ttatctaccc acaccctctt attaactaaa ttaacctcct tgaaaataat tacgaataaa 120
 aataatgcaa caaataatca aacatcaaac ataattacta ataatatata aatatatata 180
 tcagggtggt acaactctcc caccctttta gaaatttcgt cctcgaaatt taccttactc 240
 aaacaaggat ggggtgagctt atcgcatTTa acttttctaT tcccatgtgg catcttctcc 300
 tgatgcacct ccccgatca ccttgaccaa t 331

<210> 12882
 <211> 465
 <212> DNA
 <213> Glycine max
 <400> 12882

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 ttacctgttt gataagaaag aacttaacat gagacagacg agatgggttat agttccttaa 120
 gggttacgat tttgagctta gctatcacc caggttaagcc tacgtattac ctgatacctt 180
 caataaaaaa tcccttttagg tgtttgcttt gatgggttaa gagttagata tcttatagtg 240
 atttagagac atgagtttag catgtgagat cacctttggt agcattaagt tgggtatggt 300
 gatagtcact actgagctct tgagcgagat ccaggagggt tgaactctga ctccattctt 360
 gttagccac ttagagtcta tagctattgg gagagagagt atttttatag tgggacttga 420
 tggagtcttg agattcaatg atagggtgtg tgttcctagt gtacc 465

<210> 12883
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 12883

ttagcaactc tttctttttg tttagtcaaa acttctaata ctcttaatct ctctcatct 60
 aaatcaacca actcatctga catcattttc caataatggt cgattggaat gtccatttgc 120
 ttttgtaccc tggctgattg caaatgtatt tcgaccggaa gtacagcatc atgtccataa 180
 gtcagtcaaa atggggtagt attagttgat tccttaggag aatttctaca tgcccataga 240
 acttgatcta acgttttatt ccaatttctt ggcttttggg caatgtgttt tttaatcaag 300
 ttaattacaa tcttattggc tgcttcgacc tgaccatttg cttgcgcgta atatggtgtt 360
 gaggttaata attgaaagcc agtttttttg gcaaattctt gcatttttctg tccagtaaaa 420
 actgaacctt gatcagtggg aattgtttca ggaataccat acctataaat aatatgattt 480
 tgaatgaaac taattactgc ttctgatca acatttggca aagggactgc ttccatccat 540
 tttgtaagta atcgatac 558

<210> 12884
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 12884

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 acgattgaca gtgaaaaatc ataagatttg atttaatgcc taattgcaca cctgacatcc 120
 agtagatcaa ctctaactca tgatgataag aaaggaaaca tgcacaacaa caatttcatt 180
 accttcctct aatgaaagct gaattgatct cttctctaac tcaacagcat gcttgctaag 240
 ttcaactgag gacagggagc gaagcactgc caaaggatga gatatcagct atataaaata 300
 tcaagaactt cataagaaag catttgaggg attattttta ggttcctgga catactttgg 360
 atatattctt cttgatctga ttggccaat ttctcaaaa acatctgcaa ttgttggtat 420
 cgctctttcc agtgcaaatt ttttaatccc tttggattac caatggtagt agggccagaa 480
 aaagctgtca cataattgga ctcaactggg gctaacttca tg 522

<210> 12885
 <211> 554
 <212> DNA
 <213> Glycine max

<400> 12885

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tcacatggag ctacatcatg tggatcata gtcaccatc aaaacttggg gtgttacaat 60
caccaccacc accaccatca atgtctctgc caccatcatt gtccttgcca ccaccatcat 120
tattaacaat accacctctg tcattgccac cacaaccact accaaggtca ttgcaaccac 180
caccacaccg ccatacacia tatcgctacc tccaccaccc caccatcgac attgctacca 240
ccccactat cgctgccacc acctaaagtg acaaattacc aagaagagga gttgaattgg 300
ggttttgaaa actttttgat cctttgaaat aaaaggttta tgatgatatt ttaaaattaa 360
aaactatddd gaactcacia taaaaattca agttgttcaa aatgcacaaa tatttgcata 420
ctgggttcacc ttaaccttgg gctatgtcca atcctcatcc ttcaagagga gaatttatct 480
aacacaacca aattacaact ataccggcaa aactaaatt tcacatcctt aacagttcct 540
cactggactt taaa 554
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<210> 12886
 <211> 608
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12886

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cattacatta tttgtgtctt aataggaagt gaaggacata cattagagga agccaaatct 120
atcaatctat ccttgagtgc attggggaag tgtattaacg cacttgcaga gaatagtgc 180
catgtgccat ttcgtgactc agcttactag attgctacgt gattcatttg gaggttaagat 240
tcagtgagta taataattca tattttgtct ttgttcattt atacaaagca gtaagatttg 300
gcaaaatact cttcctaact ttcaggacgt gagacagatg aagtcgagcc cataccggat 360
gctctgccta atctggaaca gtaagctgcc taatgtgtct ttgatgcatt ntagaagtct 420
aatcggctaa aaaataaaaag caatcactcc ataactgatg tattttattg gaaatgttaa 480
ttaaatttgg tttgatataa aggaaactaa ttaaatgga tatttgaaaa ataattattt 540
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anattaaaat ggatatttga aaattaatta tttaaattaa attcattttg ctagtaaadc 600
taaaatta 608

<210> 12887
<211> 336
<212> DNA
<213> Glycine max

<400> 12887

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cattcacaat gacagacata gaagctgaag tgaggcaacc cctgatccac ctaatccacc 120
tctcatgaaa tcccattatt ctgagcatat atagaggaaa atgccagaa acagaatcgt 180
aagccttctc aaagtacact ctgaaaacca tgccgggtct cttagatctc ctaacctcct 240
caaccactta attaaccacc aagactccat gtagcagttg tttcctttaa taaatgggtga 300
ctgcctttca ttaataatct gaagcatgaa ctttct 336

<210> 12888
<211> 544
<212> DNA
<213> Glycine max

<400> 12888

tgtaattgc ttcccttgat taagactata tcatccgcaa aaagcatgca atatgggata 60
atcttttgta tgtccttgat aagtacatcc aagactaggt gaaacaagta aggacttaaa 120
gctgagcctt gatgtaatcc aatcacaatt ggaaagtcct tatttcacct caaggagtgc 180
tcacattagt agtcaccca tcatacatgt cttgtatagc ttggatataa gccatgtgta 240
cgtctttttt ctccaaagtc ttccacaacg tatctcttgg gacacgatca taagcttttt 300
ccaagtcaag agaaaccatg cgtaggata taagtagaag ggaaagtcaa ttagcatagt 360
tagactatta ataagttagt tactacagtt aggatattga ttagttgggt aagtgggttag 420
ttagttagat ggaggggttt gttacatata aataggggaa gaaagatagg aaaatgggag 480
aacttatcat tgggagattg aacattatct ctttgtgaaa ggagaaaatt tttgtgaagg 540
gaaa 544

<210> 12889
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 12889

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ttcctaattc tcttctaata ttaaagaagc tttcttttagg caggggtttg gcaaagatat 120
cggccaatg attctttgtt tcaacaaatt ctagtacaca atcacccctt agaacatgat 180
ctctaagaaa ttgatgccta atttcaatat gttctgttct agagtgcaga ataggatttt 240
tggataggtt gattgcaccg tattgtcaca acggatagga atatgatcaa gcattatacc 300
ataatcagag agttgttgtc tcatccataa gatttgtgca caacaacttt cagcagaaat 360
atattccgct tctatagttg atgaggcaac actattttgc tttttgttat accaagatac 420
tagtgttgaa ccaataaaga ggcgagttcc actagtcatt atccttttga cgacacttaa 480
gcgggattct ttg 493
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<210> 12890
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 12890

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ggagttttaga gaaggggagca caaatattatg ccaaaaaagg aagggtatca agtttaataa 60
acaaaaacct tgaggggggt caatgtaata tactcatttt tttaaccaa atacattctc 120
aattatttta acatttatta tgatcaacat ctcatatat gtagctagga tggccacggt 180
tcaaatagt tgcaatacac ttggacaatt gtgttttaaa catttattat tgtttataac 240
acttgaatat aaagttattt tgaaaacgta caatttaatg cgatttgtat attatgcaa 300
actatttatc acttacttcc aaaattcatt taataaggga cagttaatat aatttgattc 360
aaaattatct catcaatttt cattaattat atttttaact ttgaagaaat tatgggtttg 420
tttaaataat atttcttttg tttttgggga ttcagatttt atttctttta acgcatcaag 480
tttttatttt agtaacaatt aaaaattata tttttgtaac at 522
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<210> 12891
 <211> 578

<212> DNA
<213> Glycine max

<400> 12891

agcttggtct taagatatcc agcttagact ccagagtgtc tgcaagttga agaattcaaa 60
actaaagcag tgggtgaattt atatcaagcc ctagtactct cgacatattc cattgctttc 120
ctcttcacag attcaatccg ttcttgatca ccttgggact tctcataata aagatacttt 180
ttgaataaga actgtcaatc aagacaacaa aaccctaagt cagtctgact ggaaaaatac 240
aaaacaatgt cagtaaaatt ggtaatatag atatgcccaa accttcatct ttttcggtgg 300
gaggctcaga ctaacagccc tttcaaacag tgcacgaatt atatctttgt ctttatgttg 360
aatttcctgt agagtacacg agagaatggt acgttcaaaa taatatacaa acgcaaagaa 420
tatgagatgg agaaggatat acttgatcaa gataaacact ccataagtct gttctctttg 480
ggtactcccg taggattttt tcaaacatgg atcgccctcg atctagaacc ccaactttga 540
attcaagaat agctgtctga gagaaaaaat taatatgc 578

<210> 12892

<211> 528

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12892

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ttctcctttt gaagttgttt atggttttaa ccactaact cctcttgatc ttttgcctat 120
gcctaattgt tctgttttta agcataaaga aggtcaagca aaggcggact atgtgaagaa 180
gcttcatgag agagtcaaag atcaaattga gagggaaaaat aaaagctatg ctaaacaagc 240
caacaaaggg agaaagaagg ctgtcttcga acccgagat tgggtttggg tgcacctgag 300
aaaagaaagg tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt 360
tcaagtgctt gaaagaatca atgacaatgc ttacaaagtt gagctgcccg gtgagtatta 420
atgtagttcc accttcaatg tctctgattt atctcttttt gatgcagatg gagaatccga 480
tttgaggaca aatccttctc aagagggaga gaatgatgan gacatgtt 528

<210> 12893

<211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12893

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 gcatataggg ctacagacgt cttggaatag atacatacgg acatttgtgg gtcatttcat 120
 acacottcat ggaatggtca acaatatattt atatcattca tagacgatta ctccatatat 180
 gcatacttgt ttcttataca tgaaaagtca caatctctgg atgcgttcac aacatttaaa 240
 gctgaggttg aaaatctact caccaaaaca ataaagtgtg tcacatctga tcgtgggtgg 300
 gaataatatg gcagatatga ctgttcacgt gaacaacgcc caaggccttt tgctatgtac 360
 ctagaggaat gtggaatcat cccatagtac accatgtcng ggtcacctat catgaatgg 420
 gtggctgaaa gacgaaacac aactct 446

<210> 12894
 <211> 481
 <212> DNA
 <213> Glycine max
 <400> 12894

tgcataaac ttttaactgtg gggcaatctt tttggatgtt tatcttgagg cttgggaaat 60
 actgtccaaa atgctgagcc acattgacca atgctaagc cactttatcc attacttgat 120
 actgagtttc tggatcttgt gatattcaac agacgaagta tattgggtctt agctcattat 180
 tttctcttg gaggaggact gcacttatgg cttttgcaga gaccgagaag aatactatga 240
 gtctcttact agtgcttgg ttcaaaagca ctacaggggt tgcaagcgta actgtcaact 300
 gctgaaacat ttcttcacac tcatogttcc attgaaagtt tttctttcta agatgattca 360
 tgattggttt gggtatctcg atgaccttg gtaagaatct ggataatgag gttattcttc 420
 taactaacct ttgagcttct ttcacgtttt taagactcct catcttcaga gtggcttgac 480
 a 481

<210> 12895
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 12895

agcttcttag tctcacctga tgaattcgtg gctacttcat tctctcctct aatgacaata 60
gcatcacttc tggcactaaa ttgttgggag tttgaagcca tattctcaat taaattttctg 120
gcttcagtaa gggtcacgtc tccaagggct ccaccactgg cagcatctat catacttctc 180
tccatgttgc tgagtccttc ataaaaatat tggagaagaa actgatctaa aatctggcgc 240
tgagggcaac tggcacataa ctccataaat ctctcccagc attcatatag gctctctgca 300
ctgagtcgtc taatacctga aatatccttt ctgatgggtt tggctcttga aatacggaaa 360
tttttttcta aaaatactct cttgaggtca ttccagctcg cgatggacct tggagcaagg 420
taatataccc agtcctttgc cactccctct aaagaatg 458

<210> 12896

<211> 602

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12896

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caatggaaga aaactctccc agcttccctt ctgctctaag atacatgctc ttaaaaggtc 120
ctccaatgac tgaatgggtc gttcagtttg gccatcagtc tgaagatagt aggctgaact 180
cagtctaagc ttggttccca acactctggt caagctctcc caaaatctag aggtaaatct 240
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tacaaggtag tcaacttctc caaggaaaat ctaatattaa tgggaatgaa gtgagcaaac 360
ttagtgaatc tgtcaaccac aacccaaata gaatccaaac ctctaggggt tctatgtagt 420
cctaccacaa aatccatgga aatattgtcc cactttcatt gggatatttc taaaagatgt 480
aacttccctg aaggctctctg attgtctatc ttagccttct gacagactan gccacaaaaa 540
catcatcttt aaatcctgat acatcttggg agcactagga tggatgctca nattactcct 600
at 602

<210> 12897

<211> 560

<212> DNA

<213> Glycine max

<400> 12897

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cccgacaaag aactgacaa aaagttatct tctccttttt ggacaaagta tggcaagctg 120
ggggtaagta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt atccccattt 180
cagcttgatc ttgatgggta ttcaagccat cttttgtctt gccttgaatg ttaaggagcg 240
tcccaatcac actgtcataa acatttttct ccacatgcat aacatcaata caatgtctaa 300
cgtctagatc agaccaatac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360
tcttactttt atccttcttt tgggtctttc caaatacagt attcaggtgt tgaacccgct 420
gatatacctg ctcaccagtc aatgttatcg gctcaatata gtgctcttga cttccattaa 480
aagctttttt cagtcgtcta taaggatgat taggtgttag aaaatggcaa tgccactagt 540
agactatttt tcttccatgt 560

<210> 12898

<211> 555

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12898

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ggaagaaaac tctctcagct tcccttctgc tctaagacac acgccctcaa aaggctctcc 120
aatgactgaa tgggtccattc agtttggcca tcagtctgag gatggtagac taaacttagt 180
ctaagcttgg tccccaatgc tctgttcaag ctctcccaa atctagatgg cacaccatgt 240
aacctgacaa tctcacttat atacagggag gtcaacttct ccaagaaaaa tctgatatta 300
atgggaatga aatgagaaga cttattcagt ctatcaacaa taaccagat agaattctaa 360
cctctagggg ttctaggttag tctaccacg aaatctatgg aaatattgtc ccacttccac 420
tggggtatct ctaagggttg taacttcctt gaaggtctct ggcgttctat cttagccttt 480
tgacagacta ngcatgcata gacaaactca ctaacctctc tcttcatgtt gggccaccaa 540
aacatcattt ttaac 555

<210> 12899
 <211> 530
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12899

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 ttaaaagatt ggctaagatt ttgttaaaac ataagcactt atacaatgaa ggaaagctgg 120
 agttgctgca catgatgttc aacgctatgt caaagaatca gattgggctg cacaatgcac 180
 aaggcaagat aaaatgtcaa atgatgaatt gaagctgcag gatccacgat gtcggatata 240
 atgtccagga catcctgctc gaaaatactg gtcacataaa tctgttatat ctttaacaga 300
 ttgtgcagga tccacgatgt cggatacaat gtccaggaca tctgtcccga aaatactgga 360
 cacataaate tggttatctc ctaacagatt attgtgcagt tagcaacaga ttagacgac 420
 tatctctatg aacgaattaa aagatgatta aagtttgaat tacaaacttg aatagttcgt 480
 tcagggatta aagattaaag ataacaacta caagatcaaa ctttatcttt 530

<210> 12900
 <211> 558
 <212> DNA
 <213> Glycine max

 <400> 12900

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 tatccatctt ttagaatatt tcgggccttg gcatgcccac tggcatgggt gacaaatgag 120
 ccttcacgca cctcccttag tatctgctca acttcacttg catccatgca tcggagtaaa 180
 accatatcat ggtttctttt gtatagcag tccctattca aaaataagtt agccaccaac 240
 ctccgtagtg ttctcttgct attctcaaag gcccacatgt ggtactcttt gtccttaata 300
 tatctctgga tattgaaata ccaagggttg ccatcatttt cctcctatat caaacaacag 360
 tgagcaggct cactgtgaca tctaatttct atgcatggca agtccccatg aaggctcacc 420
 tggaacatag atgacaaagt agcaagggtg ttggccattt ggttttccta tctggggatg 480
 tgatgaaatg atatatcatc aaagtgttcc atcaactctc tgaagcagcc ttgataaagg 540
 attaacttat ggtctctt 558

<210> 12901
 <211> 562
 <212> DNA
 <213> Glycine max

<400> 12901

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aatatcttaa gaataggggg gttgaattaa gatattacaa actattttcc caattaaaat  120
tctactttga ttttaatgca agttccaagt tcccttaaag atgagtctct aaaagatgat  180
tcaaaataaa caatctgaac gtaaagttaa agcaataata aataaagaag ttttaaggga   240
gagaaagtgc aaaactcagt tttatactgg ttcagccaca cccttggtgcc tacgtccagt   300
ccccaagcaa cccgcttgag agttccacta tctggtaaaa accctttaca agttctgaac   360
cacaccagga cagtgattcc tttgtgttca gattgcttta caacaagaga ccctcgggtct   420
cttaattcct tttcagaagt atgaagatga gaaaaagaaa tctttcttga aagagataga   480
ttgcataatg aagcactcca ataattcctt attgatttgc agtattttgc caacggatgt   540
tttacaagat tagacatttt tt                                           562
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<210> 12902
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 12902

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agctctacat ggagctaaat catgtggtat caaagcatct tcacttaggt gattttcttt  180
tgttttctct atcttttggt cagtcaattc actttaattc ctttctttat cgtcttatcc  240
atgtatctct tccattgtgg attggtgctg tttaaagtag ataaaaaaaa taaaccgatt  300
aaatcttaga tctacatttg ttcttgcaat tctatgggtc aaaatttata aatctactat  360
taaatcatgt ttttgtgttt atttttaggt ctatcatttt tcagtcataa tcttcttggtg  420
ttgaatctta gatctcaatt ttcttgcaaa atattgatta gaaaagaaaa cacaaaaatc  480
taagtgtaaa tcacactact ttaaaaagca cattctatgt cggttgttta ccacattcta  540
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561

<210> 12903

<211> 565

<212> DNA

<213> Glycine max

<400> 12903

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tggcttcagc aggagtcatg tctccaaggg ttccaccact ggcagcatct atcatacatc 180

tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240

ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300

cactgagttg tctaatacct gagatatacct tcttgatggc tgtgggtcctg gaagcagggg 360

aatttttttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420

ggtaatacag ccagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480

tgtgatcctc ttggacatct gggggtttca tgggtgcagca gacaatgtga aattcttttc 540

aatgtttgtg cgggtcttca cctac 565

<210> 12904

<211> 621

<212> DNA

<213> Glycine max

<400> 12904

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atcaagtcaa gacaatgtgc aacacatgga gtccaaaata tttttggtct cgtgacttgt 120

aaaattttac ctagaaagac caaatcaat aaacttgat gagtagtgta acaattaaaa 180

gttataacta taataaaaaac ttcattaagc atgattgaat tctcaccgc caacacataa 240

ttacttccat tgtccgtcac cacttgaata acattctttt ctccaatctc ctcaacaaag 300

ctatccaaaa gctcaaagat cttctgacca gtcttcatgt attcagaagc atccacactc 360

ctcaciaaatt atgttcccaa cgaacaattt accaaaaagt taatcaaagt tctattcttc 420

caatccgtcc aaccaactga cataattgaa cacccatatt tgattcactc ctctcacga 480

ccctcaata agcccttcgt gtattccaac tcttttttaa ggagtggaac tctcaattca 540
 tgatagcttg gaggctttta atgaggaacc atagggtcaa tgcctcaat catcaacttg 600
 aaactttttg atttagcaac a 621

<210> 12905
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 12905

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 aacattcctc catttaaagg aaagaatgat ccggaggcct acttgagtg ggaaatgaaa 180
 atagagcatg tattctcatg caacaactga ggaggacaaa aaggatgaagc ttgccgccac 240
 ggaattttcc gactatgctc ttgtgtggtg gaacaagcct ccaaaggaga gagcatgaaa 300
 tgaagagcca atgggttgata catggacgga gatgaaaaag atcatgagga agcgggtatgt 360
 gccggcta at tacttcaggg actttgaaat tcaagctcca aaaactaacc caaggcaaca 420
 aggggggtga agagtatttc aaggaaatgg atgtgctcct gattcaagca aatattgaag 480
 aatatgagga ggtaactatg gctcgatttc ttaatg 516

<210> 12906
 <211> 564
 <212> DNA
 <213> Glycine max

<400> 12906

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 tttttactcg gatgtctgat tgagtcccgat aatatatcga gacctcgaa attgaatggt 180
 gatgtctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcatt 240
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 actttttact cggatgtctg attgaatccc ataatatatc gacacgctcg aaatagaatg 360
 ttgatgtctt gagcaaattc aaacgaccat acacttttac tcggatgtct gattgagtcc 420

tgtaatatat cgagacgctt gaaattgaat actgaagctc tgagcaaatt caaacgacaa 480
 taacttttta ctgggatgtc tgattgagtc ccgaatatat cgacacgctc gaaattgaat 540
 gttgatgctt ttagcgaaat caaa 564

<210> 12907
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 12907

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 cttaaaaggg ctgccattaa tcaaagggtca tataaatgct gaggggaggc aagctgatat 180
 ccaaaccaca tatcacttgt ttcaatctat ttgctaataa cttatctatc accttgtaca 240
 tacatccaat caaggagatt ggtctgtagt catcaaatga ctgggggtgg ctggttttgg 300
 gaattagagc tatgacagaa acattactgc ctatagggaa gctgccatgc acatggaatt 360
 catctacaaa tattctgaag tcagtgttct tcattttcca gaattgttta atgaatttga 420
 agttgaagcc at 432

<210> 12908
 <211> 490
 <212> DNA
 <213> Glycine max
 <400> 12908

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 aataatgcaa caaataatca aacatcacac ataattacta ataatatata aatatatata 180
 tcagggtggtt acaactctcc caccctttta gaaatttcgt cctcgaaatt taccttactc 240
 aaacaaggat ggggtgagctt atcgcattha acttttcta tcccatgtgg catcttctcc 300
 tgatgcacct cccagatca ccttgaccaa tggaatctgt ttccctctta cgtgttttgt 360
 tcgctatcc tcgatcctca aaggcaatgt ttcatatgtc aaattctcct tcaattgtac 420
 atcatccaat tcaatcacat ggtgttgcaa cctacccttc ggtggggcgg tgacacaaga 480

ctcacaggtg

490

<210> 12909

<211> 474

<212> DNA

<213> Glycine max

<400> 12909

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tccgtgctcg caagatctgt catactgact tttagagtctc gccgacggtc tataataccc 120

gagtggctat ccgtataaac tttttgttgt ctataagacg aaaagcctga tagcacgcac 180

agactaacgt cttcttttgc gccctttgta taacggggcc gacactctcc cacactttta 240

gaaatttctt gctctaaatt taccttactc gaacagggat ggtggagctt atcgattctt 300

acttttctaat taccatgggg cgtcttctcc tgatgcacct tcccagatca cctagaccaa 360

tggaagctgt ttccctctta tgagtgttgt tcgcttatcc tccatctca aaggcaatgt 420

ttcatatgtc acattctact tcaattgtac atcatccaat tcaatcacat ggtg 474

<210> 12910

<211> 413

<212> DNA

<213> Glycine max

<400> 12910

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gattgaggag gacctataaa ccgagcgcag caacatttaa gagaaatgga tctaagtctg 120

aaaacgtgac cgatgttctt gaagctatag actggagggt agaaggagct gttactgcac 180

tcaaagacct aggtgatcaa tgtggtcaga caagtaacac catgtaagac cttcattgtg 240

ctccatcttt ttcattaatt ctttcatctc gttttactat atgtttggat aacacaaaac 300

aatcaattat agcctaaaaa atgatgggtcc tgaaaaaata gaaatcatta tttagtagct 360

ctaccaagat agcataactt attatttctc actatggatc gtatgtgagc aca 413

<210> 12911

<211> 666

<212> DNA

<213> Glycine max

<400> 12911

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tagggtttgt atatagaccg tgtgacgtaa agagaaagag ttccagtgcg tgtacagaaa 120
acgtttgtca tgtataagaa tatatatgta caaagaaagg tttgcctcat aaatgaccac 180
agggtgtataa ttttgtgaat gaaacaaaca ggaaaaagaa agaaagaccg cgaagggtcg 240
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gaactaataa aagaacataa tttggaaaca ttgggtctgt ttgtgtaaat tcccaatcgt 420
agtatcagaa tgccatatac aggatgcttg agtgcccacc tggctgtagc catgactaat 480
attgcacgtt gttttaaatc atcattgtca cgcgtgcctt gtggagtaat atgggagttc 540
ggcccagagac cgacaccttg acacccaaat ttgtttttgc ccagatatca agattggggtt 600
cccacgataa tagaccccat tgaaacacac cttagacttt ttgaaccttg cctatcaaaa 660
aatcct 666

<210> 12912

<211> 505

<212> DNA

<213> Glycine max

<400> 12912

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tctgattatt tttctcgagt ttggctgtgg ccatcaactt aaaagaaatg gtgaatatgt 180
tgatgacgtg aaggatcatg aaaaaatact tcaaaactta tatccaagtt ctgacttcat 240
tgttaccaac attgaagaaa acaaggattt aaagaccatg actattgaac aactcatggg 300
ctccttacat gctttccaag aaaaacaaat aataattatt aaacctaagg aggctacaga 360
gcaactacta caactcaacg taaaggaagc aaactttgca aattacaaga gccaaagagg 420
acgatgtccc ggccaatatc gtggacgttg gacatggacc tggaggagaa ggaagaagtg 480
gttacaacaa ccactccaac aaatt 505

<210> 12913

<211> 549
 <212> DNA
 <213> Glycine max

<400> 12913

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 acgagacatc ttgccaaaca aagtcagggt caccgataact cgcctgtgct ttttcttcca 120
 tgctatatgt agcaaagtga ttgatccagt aatgtttgat gagttggaaa atgaggccgt 180
 aattatactc tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctgggtca gagaaatcaa atgttgtggt cctgtttatc tacggtggat 300
 gtaccccggtt gagcgatata tgaagatctt aaaaggggtat acaaagaatc tatatcgtcc 360
 ggaagcatct attgttgaga ggtacattgc agaagaagcc attaaatttt gttcagaaca 420
 cttaaagaag gctaaagctg ttgggcttcc aaagtgtcga catgaggaca gagtgggtgg 480
 taagggttca agaggactgc aggtgatcac tccaagtgtg gaaaatttgt ttgtatgtct 540
 tgaacaaca 549

<210> 12914
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 12914

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 gatacaaagg ttacatttgg caagggttga gaataacaac acaaacacca ttcaagtatg 120
 aaaacgttac tgatattcct tgggcagtggt attggaggca gaaaggatgat gctacttcaa 180
 tcaaggacca aggccaatgt ggtatgtaac aaaaaaaaaa aaaaaaaaaa acccatgcta 240
 gtgacactac tatatgtttt ctttgtgaac accgccatga aactaagcaa atagggtttgt 300
 agctgttggg catttttcagc agttgtctga acagaaggta tctaccaaat aactacagga 360
 aacctagtat ccctctcaaa gcaagaagta gtggattgtg atagtgtaga tcatggatgg 420
 gatggagggtc tcaatgaaca tgggttttga tttcttatta aaaat 465

<210> 12915
 <211> 539
 <212> DNA

<213> Glycine max

<400> 12915

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ctctgtggtt tatgtctctc tgccgaccac cacacagacc tttgtccttc tgtgcaacaa 120
tctgaagcaa ttgaacagcc tgaagcttat gctgcaaaca tctacaatag acctcctcaa 180
cctcaacagg aaaatcagtc acaacagaac aattatgacc tctccagcaa caggtacaat 240
cccgggtgga ggaatgatcc caaccttaga tgggtgaatc cttcacaaca acagcaacaa 300
caaccttatt ttcagaatgc tgctagccca agcagaccat atgttcctcc accaatccag 360
catcaacaac aataacaaca acaaccccag aaacagcaaa caattgaggc tcttccgcaa 420
tcttcccttg aaaaacttgt gaggcaaagt actatgcaaa acatgcagtt tcaacaagag 480
gctagagcct ccattcagag cttaactaat caaatgggac aattgggtac acaattaa 539

<210> 12916

<211> 526

<212> DNA

<213> Glycine max

<400> 12916

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gctggaatta ccctctacag tgcgcatcca ccctgtattt catgtttcac ttctgaaacc 120
ctgcatcaaa acaccagaca cgaaaatcct tctcttctct gtgacagtcg tcgtcgcacc 180
ttctggaacc aaacccaag caattattgg tcgccgtacg atacctcagg agcacgattc 240
aagggaagaa gtcctggtac actgggaggg acaaatgcc a gctgaagcta cttgggaatc 300
taaggctgcc atcgtgcgtt cttttcctga ctttgatctt aagggaaga tctatttttg 360
agatatgggt aatgatacta ataggccaga aattgagcat gaacctatct ccaatagtgg 420
gccttccatt gctgcaaaca ggcccaaagc aattgtgaaa cctcctgcac atcacaaaaa 480
ttaagtttag taataattat aattaaatga tgtaatcttt taatat 526

<210> 12917

<211> 580

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 12917

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gtctcttgtc tcattttatg tgttgtgcaa gtgaaatgca tttaaaagta gcaaagagaa  120
tattgaggta tgttttagggc actattgatt atgggtgtcaa atttgagaag tgtcaagaat  180
tcaagttgta tggattctct aatagtattg gggctagatc cgttgatgac atgaagagca  240
cttcaagata ctgttttcagc ctaggcacaa gagttttctc acgatgcaca aagaagcaag  300
agattgtagc acaatccact gctgaggctg aattcatagc agcagtaaata caagctttat  360
ggttgaagaa gattctaagt gatttacttt tgcagcagaa gaacaaaact ggaatttttg  420
ttgacaacgt gtgtcatggg aagactaaac atttcaacat caagctctat tttttgagaa  480
agatgcacaa agtggagaaa tgaacttaat ttactgcaag tcttaagatc aactgactaa  540
catgnntaca nagccactgc ctatcaacaa atttgaactc                               580

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<210> 12918
<211> 531
<212> DNA
<213> Glycine max

<400> 12918

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gcagaggagc ataaaccaca gagtctggcg acaggtgttg atttttgatt catggccagt  120
taggttacca ggttaaccaa ggcatttagt ttaccttcaa gcttcttagt ctcagctgat  180
gaagatgaat tcgtgggtac ttcatgcaact cctctaata caataacatc atttctggca  240
ctaaattggt gggagtttga agccatcttc tcaattaaat ttctggcttc agcaggggtc  300
atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat gttactgagt  360
ccttcataaa aatattggag aagaagttgc tcagaaatct ggtggtgagg gcaactagca  420
catagttttt taaatctctc ccaatattca tataggctct ctccactaag ttggctaattg  480
cctgaaatat cctttctgat ggccgtgggc ctggaataga caatatggaa t                               531

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<210> 12919
<211> 444
<212> DNA
<213> Glycine max

<400> 12919

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aagtcatggg gatgagttga tccaatctta caaaaattgt acattactaa tcacctatat 120
aatgagtaac aaggggtgcaa ttttagagag attctataag tgtcttgagg catgtaacgc 180
tgcttttgta acaacatgta gacctttgat tggggttagat ggatgttttc tgaaaagtta 240
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tgcatatgta gtagtcgagg ctgaaaccat agactcatga ttatgggtta ttgacttggt 360
actaaaagac ttggatggga ttactgaaaa aaagtgggct tttatctctg accaacaaaa 420
agtaatatatt ctaaatactt gtga 444

<210> 12920

<211> 346

<212> DNA

<213> Glycine max

<400> 12920

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ggagcttggtc ctctacagca ggggcaccaa gaagaaatac gttcttctca atcttatctg 180
atactgcttc aatcattata tcctgatcag cactgactac attcatggcc ctagagaata 240
tactatcaaa ctccgtgtat tcttctgcat caaggtcacg ataggccagt atcagggtac 300
tcagaccgc atcagcatat tcatgcacat gtcctatggc tttctc 346

<210> 12921

<211> 523

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12921

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cattgaaaaa ctctttctct ctataccgac atgggctata taaaatctct attccttttc 120
aaagatctct tttccccttt tcaatatata ctcatgttt catataaaaa tttcttttca 180

cacattgttt atatacaaaa atttcttttc ttttctttat atacgaatat gacattttgt 240
 ccacaacatc tctttctttc tctattcttg gcggtatcac gacgtttttt tcattttatt 300
 ttaggatgac gttcctacaa cagatattat cgacaataat gagataagca ctaacacaac 360
 gatccaaaca aaatgtatgc acaaaacaaa tgacgatcga aacaacaaaa acaaacgtta 420
 gtccctcgag tcatagaaat gagataacat acaaatgata aatgatgaaa catgaaaaga 480
 atacgaatct ggggatccca cngtcatgtg gctccgatg cca 523

<210> 12922
 <211> 586
 <212> DNA
 <213> Glycine max

<400> 12922
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 aaaatattgc ttcaaaacgc ttttaatttaa tttatttttag aaatacacat aacttttttt 120
 aaccgttact tataaataat aaaaacaact ctctatacta tttttttaca aaacaaaatg 180
 tgatagtggg aaaatgctaa atagttgcat gaaattaaaa taaatgcaaa tgtagaggaa 240
 ttgaatatct atacataaag aaaatgaaac ttgcagtgtc acagagaaat atatggatac 300
 aaccataat agtgtgataa taaacaaaat acattttcat cccttctaca acaaaaataca 360
 tgatgcaagc tccattggag cttgtacgcc taggatcttc ttcataatg gatacccttg 420
 ctttttcgaa gatgaatggc agccgaatgg agaatgaaga gagagaggag acgccccttc 480
 aatgagaaga tgagtctaga agaagctcac caccataaga ggtcatggat aatagcttgg 540
 aggatgaaga gatcaatgaa cggagaggga gagaagacca cgaaat 586

<210> 12923
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 12923
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 ttccatgtta ttcttttctt gctcgctctc tttttgctcc tttttttcca tgagatatgg 120
 gtgctaccta aacatacgta tattttttgtg aggtattttg ctatatacat gcgtgtccaa 180

ggatatcttgc tacctaaaca tacatatata tgttttgaga gatattattg ctatatacat 240
gcataatccaa ggtatgttgc tacctaaaca tacatatata tttttgtga agtatttttc 300
ctacatacat gcatatgcga ggtatctttc tacctaaaca tacatatata ttgtgtgagg 360
tatgactacc ttacgagctt gtgcttgttt tttttaaatt cctacgatca tgagcaact 419

<210> 12924
<211> 516
<212> DNA
<213> Glycine max

<400> 12924

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cttccaccaa agcataaaga ccctgggagt gtaactatct cttgttcaat tggagaagtc 180
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atcttcccga cagactttgt ggtaatggat atctgtgaag atattgacat tcctgtaata 420
ttgggaaagc cattcatggt aactgcaagt tgcatagttg atatgggtag aaagaagctg 480
gaaatgggtt ttgaagaaca gaaattgat ttttga 516

<210> 12925
<211> 538
<212> DNA
<213> Glycine max

<400> 12925

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acaattcaaa ttttgacttg ggaaaattat ttttccaatg attaagcaac cttgcttgta 180
gtcatttata caagcaactt atgtaagcat ttttaagaat tcattaattt gttctaatag 240
tattctcagg tcagttaact acaacaatt atgatttctt caggacacac atattctcct 300
tgattctctt gaaattgaac tcgttatgta ccttaatttt actgaatggg gtgtgattct 360

gtgtatgttt aggagaaaag aaaggataaa atgtcttcgt ctgtggacat gatttttgatt 420
 atattgtcat cttaaattca ggggaagaag gagggcaagg ttttcttttt tcttttttaa 480
 gggatatcatg attacggtgg ggactattca caatattact taattatgat tattatct 538

<210> 12926
 <211> 537
 <212> DNA
 <213> Glycine max

<400> 12926

ttgaaatgga cattgaggta tctaaatgga tctttgaaag ttggattaag gtataagaag 60
 atagcacatg aggtagcaat cacaggctat gtagatgcag attttgcagg aaatgtatac 120
 acaagaaagt ccttaactgg atatgtgttt actttgtttg gagcaacaat cagttggaaa 180
 gcaaatcaac aatcagttgt tgctctttca acaactgaag cagagtacat ggccctagct 240
 gaaggagtga aggaagcaat ttggctaaaa ggaatggtat atgaacttgg aatagcacia 300
 ccttgtgtca caatttactg tgacagtcaa agtgccatta gcaaatcacc aaatttacca 360
 tgagaggaca aagcacatag atgtgaaaact acacttcac agagatgtga ttgaatctga 420
 aaaggtaaag gtggagaatg ttttaacaga agaaaaccct gttgatatgt tcacaaagtt 480
 cctatccagt gttaagttca agcactgcct tgacttgatt aattttgaag atgccta 537

<210> 12927
 <211> 147
 <212> DNA
 <213> Glycine max

<400> 12927

agcttgcaat ctagtatctt ccaagacttg gctcgtagc aagacgagcc tagatccccg 60
 aatttcgaca aaggcttaca aggtgttctc cctaagattc taaatgagat aaggttcttc 120
 aggaaatatg cacaccatgt tgccatt 147

<210> 12928
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 12928

actcggatgt cttattgagt ctcgtaatat atcgacacgc tcgagattga atgttgaagc 60
tctaggccta ttcaaacaac aataacgttg tactcggaag tgcgattcag tgacgtgata 120
tatcgggacg ctcgaaattg aatgttgaac ctctgagcca actcaaacga caataacttt 180
ttactcggat gtctgattga gtcccgattt atatcgtgac gctcgaaatt gaatgttgaa 240
cctctgagcc aattcaaacg acaataactt tttactcgga tgtctgattg agtccctaata 300
atatcgagac gctcgaaatt gaatgttgaa cctatgagcc aatt 344

<210> 12929
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12929

tctagcactg gagtagatga cttgataatg tattgcttaa tctcattatt ttaaaaatta 60
agaaatcatt ttgcaattat aaaatctaag gtgtctcaag ttaagtagtt actctaacaa 120
atttaatatatt aaaatagatt tgcgtataaa agttttttaag tctatgtagt attgtagaac 180
ttacaaatatt aaaatatata actcatttaa acaatcatga attgtgaata tttttgttcc 240
acgaagtcat aagactgata agtgataatc atgtaaaaaa atagagtcaa ttaagtataa 300
actcgtctac tattactatc gctttatnta tatgattaag aatcgtaccc ttgtcatagt 360
ttctaaaaca tgtacgatat ataattcgtt gaagaagaat cattctc 407

<210> 12930
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12930

agctntaaga gtcttgtgta agggccaccg cataccagct tctatctttt ggngatccat 60
tgatacccca tccttagaga taatatgcc aagatatact atcttagttt ttccaaaagt 120
acacttcttc tgattggcaa acaaagagtg ttctgatagt ctggccaaca cttgtctcaa 180
gtgcttttaa tgaccctcct ttgttttgtt gtaaaccaaa atatcatcaa agaaaaccaa 240
gacatacctt cgaagaanag gcttaagggt ggcattcata gcacattgga aagttgctgg 300

agcatntggtt aatccaaatg gcattactag agaatcgtaa tgcccttgat gagttctaaa 360
agctgtttttt ggaatgtctg cctcg 385

<210> 12931
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12931

gctggaacta cttcacatgg atntgatggn gcctatgcaa gttgaaagcc ttggaggaaa 60
gaggtatgcc tatgttggtg tggatgattt ctccagattt acctgggtaa actttatcag 120
agagaaatca gaaacctttg aagtattcaa agagttgagt ctaagacttc aaagagagaa 180
agactgtgtc atcaagagaa tcaggagtga ccatggcaga gaatttgaaa acagcagggt 240
cactgaattc tgcacatctg aaggcatcac tcatgagttc tctgcagcca ttacaccaca 300
acagaatggg atagttgaga ggaanaacag gaccttgcaa gaggtgctc gggtcatgct 360
tcatgccana gaacttcctt ataattctct 389

<210> 12932
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12932

aacattcatt tcgaggctct cgatatatta cgggacttaa tcaagcatcc aagaaaaaaa 60
ttattgtcgt ttgaatttgc tcagagattc aacattcaat ttcgagcgtc tcgatatatt 120
acgggactca atcagacatc cgagtaaaaa gttattgtcg ttgaatttgg ctccgagctt 180
caacattcaa tttcgagcgt ctcgatatgt tacgagactc aatcagacat ccgagtaaaa 240
agctattgtc gtttgaattt gctcacagat tcaacattga atttcgaggg tctcgatatt 300
ttacgggact caatcagaca tccgagtga tagttattgg tcgttgaatt ggctcagagc 360
ttcaacattc natttcgagg gtctcgatat attaccggac tc 402

<210> 12933
<211> 368
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12933

agtttccgac tatgctcttg tgtggtggat caagctacaa aaggagagag caaganatga 60
agagccaatg gttgatacat ggacagagat gaaaaagatc atgaggaagc ggtatgtgcc 120
ggctagttac tcaagggact tgaaattcaa gtcctaaaaa ctaacccaag gcaacaaggg 180
ggtaactatg gctcgatttc ttaatggatg tgctcatgat tcangcaaatt attgaagaag 240
atgaggagggt aactatggct cgattttctta atgggttgac taatgatatc cgtgatattg 300
ttgagctgca ngagtttggt gaaatggatg atttgcttca caacagcatc caagtggagc 360
aacaatta 368

<210> 12934

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12934

atgcaagctt ggctctggcc atgagaacca tctcattctt aagatcatcc atcttagaaa 60
agatgttcct atcaagtaag ttctctcttg catcaaaca atcaaatttg atcttctgat 120
catctacacc aatttccatt ttacctttcc ccatatccac tacacaattg gcggttaaca 180
tgaatggatg acccanaatc aatgggatgt tagcatcctc ttcaatatcc atgacaaca 240
agtccatatg gaatgtagat tgccgcacct tgaccaaacc atcttcaatc acgccataga 300
gccatgtaat ataatgatct gccaaactgca atgtcattc 339

<210> 12935

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12935

agcttctggt nntcaatttg agcatctega tatgttacgg gactccatca gtcttccgag 60
tgaaaagtta ttgtcgttcg aatttgctac gagcttcggg tntaaagttc gagcgtcttg 120
ctatattacg cgactcaatg gaacttccga gtgaaaagtt attgtcggtta gaatttgcta 180

cgatcttcga ttntaaattt cgagcgtcta attatgttac gagactcaat cagactctcg 240
 agtgaaaagt tattgtcggt cgaatttgct acaagcttcg attntaaatn tcgagcttca 300
 cgatatatta cgcgactcaa tcggacttcc gagtgagaag tattgtcgta gaatttgctc 360
 gatcttcatt ttaanatcga gcgtntgata tatacgggga ctcacgcact ttcccaaagt 420
 tggaaaaatg gggtattttg gt 442

<210> 12936
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12936

gtgacgtgct catgcaacaa ttgttagcgc gggctatacg agacatcttg ctgaaccaag 60
 acctgataat gataactcgc ctgtgctttn tcttgcatgc tatatgtagc acagtcattg 120
 atccaaccat gtctgatgag ttggaaaaatg atgctgcaat tatactctgc cagccggaga 180
 tgtattctcc ctatgctttc tttgacatca tgattcacta gattgtgcat ctggtcagag 240
 aaatcaaagt ctgtgggtctt gtttatctac agtggatgta cccgggttgag cgatacatga 300
 agat 304

<210> 12937
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12937

agcttcttgg tgttcctttt cccatcgaaa ttcaactgta ttctttaatc atagtaaagg 60
 tgaaaccact ttagttcttc ctgacagatt agaaatggat gttctaagaa aattcacctt 120
 acctataat gattgaagtt ggttttctct acttcaattc ccttntgatg gataatgaaa 180
 cccaagaaat cacatgcaga tacaccaaaa gcacatttta attgatccat ctttagtcta 240
 tgtgggtcaag atgattatct ttcgattttg attntacaac aacatcatct atataaacat 300

<210> 12938
 <211> 399

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12938

agctntacta tgcagagaat atccaatgaa aatactcttc atctgactta gcatcaaatt 60
 ntctaagtt atcttttcca ttattcaata caaacattt acaaccaaag atatgaaggt 120
 gtgagatggt tggttttctg ccattgaaca attcatatgg agttttcttt aaaatgggtc 180
 ttattaaagc cctattttaa atgtagcatg cagtgttaac gacttcagcc caaaagtatt 240
 ttggaagagg agtatcattt aataaagttc tagcaatctc ttccaaagat ctatttttcc 300
 tttcaacaac accatcttgt tgaggggttc ttggtgcaga aaaagtatgc tcaatcccat 360
 gcttatcaca aaataattca aattctttat tttcaaact 399

<210> 12939
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12939

tgetgcacaa ctgcaggagc aaccaataac ctttctagct nttccttccg aatcaatctt 60
 gcacaactgc acagggagaa agtccgcaa aattaaagca cagaaacaat ggcataaatt 120
 aatccattgg aaggcataaa tatagaatag tcataatcaa tattaaatat tatccaacaa 180
 aaagtaaagt aaattctcca aaggaatgaa atcaacaagg cttactatca atgacactta 240
 cactagccca ttctccaagg gtctttgcac ccggaactat cagtaggcta acattgtgct 300
 ntgcacaaag ggccttagcc agtataactt agtcagggtg gtcacaatct tctgctagaa 360
 cgcagttgca catcatgctt ctcaatccct tttgcacctt catg 404

<210> 12940
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12940

agctntaaca ttaattaaaa gctcactggt gcagggtgcaa gcacttatgg taattnttat 60

gcatgtgact gaacttgagc caatttatat gaaataaaat aaatgcattc tcagggtttc 120
gttttgetga atgctacagg ctttgcaaaa cttttttgct gctttagtct attctgcaaa 180
tactagtttt gattctctgc tggagtcaact actagcctgt gctaagcctt ctccacagtc 240
tggtggcatt gctaaacaag cnttgcattc aatagctcag tgtgttgctg ttctatgcct 300
tgctgctggt gatcagaagt gttcatctac tgtgaaaatg cttactgaca ttctcaagga 360
tgacagcagt tctaactcag taaagttttt c 391

<210> 12941
<211> 401
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12941

agcttctaaa gtagtataat gaagttgact atgatgagga gttaatatct gacctccaat 60
actagaattt gattcanaag ctacagtgga gatcggaata gctaacgcat cccttgcaat 120
tgcttgtagt attggctact ttaactcatt caatttccac cacattaaga tatcaaaatc 180
tgaacttctt ggtaaaaatt cctcctctaa gtaatgatct aactccgttt tcatagttga 240
tgttcttgcc cttttctttc tttgaatgta tctatcataa tcacacaatt tactctnttc 300
atcacttaac cacattggtg attanaagaa ctagtagaat cttgatgctc tttggcttga 360
tattccgaaa ccaaatacata acacaagttt ccgatactat t 401

<210> 12942
<211> 330
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12942

tccccgaac cacagacttc anagcgcgac tagcgggtgga actcgacaca gaccagatac 60
ccagacaaat gagaaagggtg ttcaactgttg ctgccacga cgataccgaa caccaccggc 120
aacagggcga ggtaaacctc cccagtctcc ttcttgcatg tgatcaaaaa cgcaaaaatc 180
gcggtgaaga acggcgctcgt tgcgccgatg gcctgcttga aggaaacggc gaggtagcgg 240
agggaggtgt tgccgcacac gacggagaag cagaagatgg cgctgagagc gaagatcttg 300

aggaactgct tcttggagtg gatgtgctgg

330

<210> 12943
<211> 412
<212> DNA
<213> Glycine max

<400> 12943

agcttaagaa aaagatggcc tcagcaaatt ccttatttcc ggaagtggaa ttctatcaat 60
agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagt aaagcataac catagaaaaa 240
cctagagata gatggtctga agaggataga aaacgagtac aatacaactt ataagccaaa 300
aacataataa catctgccct acgaatggat gaatatttca cggtttcata ttgtaagagt 360
ggctaggaaa tgtgggacac tcttccatta acacatgaag gaactacaaa tg 412

<210> 12944
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12944

ctttccaatc tgacattcac cacagatgct gccttcttct attgtcagat tggcgatgcc 60
tctaacagca cctttgtcaa tgattatctt catgcctctt aagtgcagat gtacaaatct 120
ttgatgccat attctgactt catcttcttt ggaggataga catgtggagg agtagctggc 180
ttcttgaagt gtccataagt aacagttgtc ctttgatctg cttaccttca ttagaacttc 240
actcttctca tttgtcacca agcattctga ctttgtgaag cttacattga atccttcatc 300
acacagctga ctgatgctga tcangtttgc agtcagtcctc ttc 343

<210> 12945
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12945

ctgcagcttg aattgaatat ggaagctctc gagatataca aatggtcata acttttctact 60
 cggatggccg attcaagtgc ataacatatc gagacgctca naagtgaaca acagaagctc 120
 tcgagaaatt caaatgggtca taaagtttca catggatatc cgattctgtg ctataatata 180
 tcgagacggt cgaaattgaa caacgactcg agaaattcat atggtcataa cttcccactc 240
 cgatgttcga tgcacgcgca taacatatcg agacactcgg atttgatcac tggaagctct 300
 cgagatatac aaatg 315

<210> 12946
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12946

agcttctaga tatattacgc gtctttatcg gacatccgag tgnaaagttc tgaccatttg 60
 aatttctcga gagctttcat tgttcaattt cgagcgtctc gatataattat gtccttgaat 120
 cagacattcg tgtgaaaagt tatgaccact tgaattctcg agagtgtcca tcgatcaatt 180
 ttgagcgtct agatatatta tgcgcctgaa taggacatcc gagtgaaaag ntatgaccat 240
 ttgaatttct tgagaacttc cgttgttcaa ttttgagcgt ctcgatatat tatgcgccga 300
 aatcggaactt ccgagtgaag tgttatggcc atttgaattt ctcgatagct tccgctgttc 360
 aattttgagc gtct 374

<210> 12947
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12947

cttgtgtcca ggaggatatc gtatgttttt gtaacattca tcaatagtgt gatntgtgaa 60
 tccataatgt gtacaaacct tgcttccttt cctatcaaaa ctccctttat caaagcttca 120
 ttggctactt cctcctctc tagaagtata atttggagga aaaccatttt tcctataaca 180
 tttgtccact atgtgattat ccttaccaca gtaggtacat gatttcgatg aaagtgagcc 240
 tgttgcattg atgagactag tgtttcccat cagatcacta ttattgatct gcctttcttg 300

ttgaacaaca tatgagaaga cttttgctat gctaggtaat ggatccatca tcactacatt 360
 ggatcagaca atgccaaaat gataatttat acctctaaga aactgcataa ctgg 415

<210> 12948
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12948

ttgtagttgt gctcgaatgt atgatctatc tccgatgata tatcnacacn ctaaaaaggg 60
 aacaacggaa gctcttaaga gatgcaaatg gctatcactt ttcactcgga tgtccgattc 120
 acgtgcatca tatatcgtga cccttgaaat tgaccacaga agctctacgc aaattaaaac 180
 gggcataact attgagtcta atgtatgacg gacgcctatc atatattgtg acgggtcaata 240
 taggacaact gaagctctcg agaaattcaa atcgctataa cttttcactt ggatgtcaga 300
 atcacgtgca tcatata 317

<210> 12949
 <211> 354
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12949

aactggatgc attgggttaac ttggtaaccc agctggctnt gaatcagaaa tctgtacctg 60
 ttgcaagggt ttgtggtttg tgctcctctg ttgaccacca tacagacctt tgcccttcca 120
 tgcagcaacc tggagcaatt gagcagcctg aagcttatgc tgcaaatatt tacaatagac 180
 ctctcaacc tcagcagcaa aatcaaccac agcaaaacaa ttatgacctc tccagcaaca 240
 gataacaacc tggatggagg aatcacccta acctcagatg gtccagccct cagcaacaac 300
 aacagcagcc tgctccttcc tttccaaatg ctgctggccc aagcagacca taca 354

<210> 12950
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12950

ctaaccatg gaagcttcta atatcttctc catattttga gacgggcat tcttggatgg 60
 ccttgattct cttagggtcc actcggaccc cacttctacc tacaacanag acggagaaca 120
 ctaigtattc tacacaaaaa ggacacttct ctatatctgc atatagagtg tttntcctaa 180
 ggactgaaag aacttgcttg agatgaccta agtgattatg atngcagcta ctgtgcgcta 240
 aattatcatc aaaacaaaca actacatatc tacctatgaa atcgctcaca catgat 296

<210> 12951
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12951

tgtgtatcac tatccactac aacagcaaaa tacattgtca ttggaagatg ctgtgccaac 60
 actctctata tgaacaaca acttgaacac tttagggcaa cccttgatcc cattcctcta 120
 ccatgtgaca acatatgtgc tattaatctg tctacgaatg cggtcgtgca ttcgatagct 180
 atacatatat agattagaca tcattgtcta agagatcatg tatcanaaag tgattgttgc 240
 attgagtttg ctgatagtga acatcaacta gccgacatct atattaaacc tctttctgga 300
 gataggttct tctttattat aaatgatcta ggtatcctag atggatcgag ta 352

<210> 12952
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12952

acttatgtgc tcttatgaag tatctatttt ttntataaaa naaattgata catagtcatg 60
 agttcaaaca agtgtaagat acgtgctcaa tacatgtata atacattntg tctttgaact 120
 ccttaaacca aattgtggct aatttcctag accaaattta cgctcctcta tttttaaact 180
 aaagcacatt tgcatttgta gtttgattgt tggatatttt atctttntat tatatgtgat 240
 attgacggtg atataattag attatgtagt tntttttaat actttataaa taaaaagcta 300
 taagctttta aaattaatct aatactaaaa ttagaaatac tacaaaatat atttttatca 360
 agaaaatcac agttaaatt ataaaaaaaa atggtacata natatgttat ttatgtaatt 420

tacatttttaa aagtaattaa ca

442

<210> 12953
<211> 371
<212> DNA
<213> Glycine max

<400> 12953

tgaagcttaa gaaggatctt gcttgatcga tggctcttgg cgtgatcaga tgacattagc 60
caagaatgtc tcgttcaaca tcgtaaacga gaagactact gcagacttaa taaaggcggt 120
atcatatatg tacgagaagc catcgacatc caacaaagta tacttaatgc gtcggttggt 180
caacctcaag atgggagaag gtatctttgt agctgatcat attaatgagt ttaatactat 240
tcttgcccaa ttggagtcag tgaagattaa atttgaggat gaggcgaaga cattgattct 300
attgtcatca ttaccagata gttgggctgc aactgttact gcagttagta gttcaacaat 360
ggagaacaca t 371

<210> 12954
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12954

tctgttggtg atgcaaagtg tgtgttaaga aacaagctgg aagaaatagg taaggatgtg 60
aggaacaagc ctacgcttgt ggccaaaggt tactcacaac aggaaggat agattatact 120
aaaacttttg ctcttggtgc tcatctaagg gcgatactca ttntactatc ctttgctact 180
catcatggta tgatgttgta tcaaattggat gttaaactgtg tgttcctcaa tggacttatac 240
aaggaagaag tctatgtgaa acaacccct gnngttgaga gttctatcta tcctcatcat 300
gttttcaaac ttaataaagc tttgtgtggt ttaaagcaag cttcttgagc ttggtatgaa 360
aagtaagttc gttttaattg aaatgggtta tagaggaaag gaatactatg ctattagaag 420
atatggag 428

<210> 12955
<211> 466
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12955

acaagattat gcttatctta acgcagaaaa tgtcatgcta atccccctga tttgagagcg 60
aactcacgta atctatttat gcacacgcat acatgtggaa tatccaacca tttatatcaa 120
catagaggct atccaacaca ttctaattgt cacacacata tacgcatttg aaaagaacat 180
acattctcac gcccaaggca ttgctgcaaa gttcacactt aattatatcc taaacattta 240
ctattacaaa ctacttacac acatttgaaa tatatatcat acaaaattta ttgtttctct 300
cacatttatt tatatgcatt tggaatgcta attacatccc gcacacacct gcattcaaaa 360
agaattccat gctatcatac atncatttaa gaaaataatc attcacactc tggcaggaat 420
ttcatgcnnn ctttatntac ctatatatac ataccattga aaagca 466

<210> 12956

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12956

tgcacgcttg agagtgaaca acggaagctc tcgnatttta aaatggtctt aacttatcac 60
acggacgtgc gattcaggcg cataaaatat ctagacgctc catattgaac aacgaatgct 120
cttgagagat tcaaattggtc ataacttgtc acacggatgt ccgattcatc tacataatat 180
atccagacgg ccgaaattga acatcggaag ctctcgacaa attccaatgg tcataacttt 240
tacaaggaag cccgattcta gcgcatacaca tattgagatg ctcttaattg aaacctgaag 300
ctctcagaaa tcaaattggtc atacttgtag acggagtccg attagacgca tat 353

<210> 12957

<211> 345

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12957

catcaactat ccatattcct taattcattt aatacatgtg aacttatttc aaggattacc 60
taatgaagac ccctatgcac acttggcaac attcattgaa atatgtaaca ctgttaagat 120

tgtcggtgta ccagacgaag ctattaggct cagccttttc tcattctcat tggcaggaga 180
agctaagagg tggatccact cattcaaggg caacagtctg aanacctgtg aagaagttgt 240
tgaaaagttc ctaaagaaat acttcccaga gtccaagact gcagaaagga aagctgcaat 300
ctcttcattt catctgtttc ctgatgaatc cttgagtga gcaatt 345

<210> 12958
<211> 344
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12958

gacaaaagca aggctcttgc tcctacgtat cctctaata ggaactcaga cctacgtagt 60
tctagataac ttgtgagact tgaaaaagtc tccaccggaa gatgctgaca tctccggaaa 120
gggtgcagat gaccacattg gcctttgtc atcaatcaca cttgggggtca ctgaatgacg 180
agggtcggat aaccgtaagg tgtctccgcg gggtaccagc tcttgggtca tggtaacaaa 240
tagcgggtgcg gtcgacaaaa gcaaggctct tgctcctacg tatectccaa tgaggaactc 300
anacctacgt agttctggat aacttgtag actctgaaaa gtct 344

<210> 12959
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12959

agctnnggatg tctttctctt tggtttgtac cttgcagtct canaactctc ctaaatatgc 60
tcctttcaat taaactctca aaacattggt tgttacatct ttaaatgcca aacagatgca 120
acaaaaagaa ggatgctaga ttgggggatca cgagttatga taattgatgg aattgcccga 180
ggagtccctt atcttcacca atattccagg ttccggatca ttcaccgaga tttaaaagct 240
agcaacatat tgtagacac caacatgaat cctaaaatat cataatttgg aatggcaaga 300
atatttggtg agaatgaact tcaagcaagt aaaaaagaa tagttggaac atagtaagtc 360
agataaaaga atattattaa tgggtataagt aatcatat 398

<210> 12960
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 12960

tctcgatatg tgatgtgcct gaatcgaaca ttcgagttaa atgttatttc gatttgaatt 60
 tcccgagagc ttgcggtatt taattttgag catcttgaca catgatgcgc atgaatagga 120
 catccgtgtg aaaagtttgg accactatat attctcgaga gcttggttga tcaatttcga 180
 acgactcgat atgttatgcg cctgaatcgt acatacgagt gaaaagtgat gaccatttgc 240
 atatatagag agcttttcgtt agtcaatttc aatgcgtttt atatattatg cgctgaatt 300
 tgaccacgct gtgaaagtta t 321

<210> 12961
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12961

tgtgctattc caagttcatt aatcatacct ttaagccaga ttgattcctt cactccttca 60
 gctagggcca tgtattctgc tttagttggt gaaagagcaa caactaattg ttgatttgct 120
 ntcaaactga ttgttgtagc aaacaaagta aacacatata ctgttaagga cttccttggt 180
 tctacatttc ctacaaaatc tgcattctaca tagcctgtga ctgctgcctc gtgtgctgtc 240
 ttcttgtagc ttaaaccagc tttcaaggat ccatttagat accttagtgt ccacttcaca 300
 gcttcctagt gtgcgctgcc aggatctccc atgaatctac ttataatact tacagcatga 360
 gctaagtcag gtctgctgca naccattcca tacattatgc ttccaacacc actggcat 418

<210> 12962
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 12962

tatactataa aagtcatatt ctattggatt cgagggataa acctttatag gattttccta 60
 gaatctctac ctggtcaatc atgtctagta gcctttgaga gtgacaagtg gctttgacat 120

ataagggtat gacacctcaa catgaaaact ctatccaaaa tttctaaaca tgaccttggtg 180
aaaggattac ccaagatcaa gtatgagaaa gatagagcgt gtaaggaatg catcaaagaa 240
aaacaaacca aatctagctt ttagtctaaa aatgcaataa ctacttcaaa agtcctagat 300
ttactacatg tagatctttc tggctctacc aaaaccttaa gcctatgtta aaagagatat 360
gaatttggtga tagatgattt ctttagattc acatgggttt tattcct 407

<210> 12963
<211> 352
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12963

cttgacttgg ttcattntca cccctacttt tccagatata cttggatatc tcctatcana 60
tctaaggctg aaactcttta tgtntttcaa gctttttaa caatgggtga actgcaactt 120
aataactaaaa tcaaaagtgt tcaatctgat tgggggggtga attcagacct ttctctgctc 180
tcctaacatc ctatggcatc tntcatagac ttatctgtcc ccacactcat catcaaaatg 240
gtgtgggtga aagaaaacat agacatanta attgattang ccttacatta ttgcatcatg 300
cctttntacc cttacagttg tgaattatgc ctttattact actgtctatc ta 352

<210> 12964
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12964

ntgatgcaac atttggagag gttaatgaaa caacgagatg atgctctcta tgagagggtg 60
gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccaa atgatggtatt aaactcaaca ttctccatt taaaggaaag 180
aatgatctgg aggcctactt ggagtgggag atgaaaatag agcatgtatt ctcatgcaac 240
aactatgagg aggacaaaaa ggtgaagctt gccgccacgg aattttccga ctatgccctt 300
gtgtgggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgatata 360
tggatggaga tgaaaaagat catgaggaag cantatgtgc cggctagtta ctcaagggac 420

ttgaaattc

429

<210> 12965
<211> 269
<212> DNA
<213> Glycine max

<400> 12965

gttcacgagc atgggtggct gctggtggag gcactcgaat tcccctgcta gacctcgggg 60
tgatgacact cacatgtttc agatactgca catattgtcc gaatattgga actgaacctg 120
ggtcactctga gtaaccatct gcccacatctg aattggcaga ccctgaatgg aagctctttg 180
ctgttggttaa cattgcatat tctggatggc catttgcttc actaactctt ttaaagaagg 240
ttgaggatgg gcattagatg ctggttgtc 269

<210> 12966
<211> 424
<212> DNA
<213> Glycine max

<400> 12966

ataactcgga tgtccgattc aggcgcataa tatatcgaga cattttgata ttgaataaca 60
gaagctctcg agaaattcga atggtcataa cttttcacac ggatgtccga ttcgggcgca 120
taatatgtcg agacgtcga aattgaacaa cggaagctct cgagaaattc taatgggtcat 180
aacttttcac tccgaggacc gattcaggcg cataatatat cgagacgtc gaaattgaaa 240
aacggaagct ctcgagaaat tcaaattggtc ataactttta actcagaggt ccgattcagg 300
cgcataatat atcgagacgc tcgaaattga acatcgaaag ctctctagaa attcaaattg 360
tcataactgt tcaattggag gtccgattca ggccgataat atatcgagac gctcgatatt 420
gaac 424

<210> 12967
<211> 183
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12967

cggatgttcg attgagtcac gtaatacatc gaaacgctcg aaattgaaaa cagaagctct 60

gtgcaaattc aaacgacaat acattttaac tcggatgtcc gaatgagtcc cgtaatatat 120
 caagacactc gaaattgaga atnaaagctc tgaacaaatt caaacgacaa ttacttttta 180
 ctc 183

<210> 12968
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12968

ntctcttttg tgcaactatc tcatcctctt tttcaggtgt atgatgaagc ttgacagggtt 60
 cagggtgcagg tgttgctact ggtggaggca cttgaatttt gttgctagac ctcaagggtga 120
 tgacactcac atttttcgga ttctgcacag tttgtcagaa ttttggaact gagcttggtt 180
 catctgagta gccatctgcc ccatctgatt tgtcagactc tgaatggaag ctcttgcttc 240
 ttgctaaaat tgcataattct ggatgggtcat ttgcctcact aactcttcta aggaagggtt 300
 aggagggggca ttagttgctg gttgtctttg ttgtgattgt tgctgggtgta ttggaggagg 360
 aacatatggc ttgcttgggc tagcaacat 389

<210> 12969
 <211> 330
 <212> DNA
 <213> Glycine max
 <400> 12969

tcaccccata ggtcagaacg aatattaccg tctatcaatc gttatctaata aacttctata 60
 cgatgtctat atttgttctc gactactcca tcttgctgac gggaattagg acctgatgat 120
 tgacgacgaa taccacctga ttgcataaaa taagccaact catttttata gactccctct 180
 ccattatcat accagactat ctttattgca gtatcaaatt gtctgcttat cattttgcga 240
 aaatcttgaa aaacattaca cacatcactt ctgcgtttaa gaaggataaa tccagtgata 300
 cttgtacaga ctatcacaaa tgtcacacac 330

<210> 12970
 <211> 424
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12970

ntagttgttg gtgctgatgt tagtatgatt ggaccgtttg gtgtgggggtt ctactctaca 60
tatcttattg tcgaaaaggt cattgttacc accaagcaca atgatgatga gcaatacatt 120
tgggagtccc aagctagagg ttcattgatt tttacctgct tccatgtgct actcgtgcc 180
accatattct ctatctccct ctacttttcc ttacctctca catgattcat tataatgtta 240
tgaatcttgt tatctcaatt ggattccttg attttcattt taatagtcga gaaactaact 300
ctgttgatt gtatagatgg atattttgag tattngtgct ntataataac tattctttct 360
tcattacaca actctagcat atnctggatt ttagcttacc agtggttgat gactctccta 420
aagg 424

<210> 12971

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12971

tctccttgat aaatgtctat ccacttcaac atgtnattg ctatcatgtt gaactggatt 60
gtgtgctatt gctatggctg ctttattatc aaaaaacaga tccattgtat cttgagctga 120
acacatgact tcttctacta acctttttaa ccagagaagc tcacacactc atttagccat 180
acctctaaac tccgcttctg cactagatag agcaaccacc ttctgttttt tactcctcca 240
agagacaaga tttcctccca caaatgtgag gtaacctgat gtgtgatttc tatcagtaat 300
actccctgcc caatctgcgt cagtataacc ttgaatgtgc tgatgctttt ttttgcaaac 360
attagtcttc tccctgggtga agatttcagg acctttatat caaa 404

<210> 12972

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12972

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tctgatacag nttaatgtct ttgtgtgctg catangctaa gagtattcta atagcttcta 120
 gtcttgctac tagtgcaaag gtctcttcat aatcaatccc ttggtgttga ttatctcctt 180
 gagcaaccag tctagctttg tttctaatacg cttctccttc ttcattgagc ttggttttga 240
 acacccactt ggttccaatc actgattgat tcttaagagg nggaacaaga ttccagaact 300
 ngttcttaat gaattgatta gttcttcttc catagtagtc acccaagaat cttcactcag 360
 tgctttatca ata 373

<210> 12973
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 12973

actgatgect tggcacctgg tactttcttt cctgaaaaaa aatctacacc tgttgcaagt 60
 gtctgggtca atgttctttt gcagatacca tacagatctc tgtccttctt tacagcaatc 120
 tggagtcaat gagcaacctg aagcttatgc tgcaaacatt tataatagac ctcctcagca 180
 gggaaaccaa caacagcaga ataattatga cttttcgagc aatagatata atccaggttg 240
 gaggaatcat caaaatctga gatggacaag tctccacaa caacaacagc ctgtccctcc 300
 tttccagaat gctgctggtc caagcaagcc atatgttctt cctacgatgc agcagcagtc 360
 acaacaaaga ccacaagaaa ctgatgctcc tcttc 395

<210> 12974
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12974

ntatctgaag aactcgccaa gcgcacttac tgttctaagc gagttcatct tttgaggatg 60
 aacactcadc ctcttgctga actacctgtg gctaagcgag gctgaatcgc taagcccagg 120
 taacttaacc attttttttt gtgatagcca catgttagac aagtggcctc agatatctta 180
 agaagggggg ttgaattaag atatcccaaa ctacttcccc aattaaat ctatttatct 240
 ttttattcaa attataaatt cccttaacaa tgaacttctt aaatattgat tcaaataaaa 300

caagttgaat atgaatataa agcaataata aataaaggag tttaagggaa gagaaagtgc 360
 aaactcatat ttatactggg tggccacac ccttgtgcct acgtccagtc cccaagcaac 420
 ccgcttg 427

<210> 12975
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12975

ggacctataa aactaagcta tgctgnaca ttataataga cctcctcagc agcaaacct 60
 acaacagcat aataattatg atctttcaag caacagatac aatccaagtt ggaggaatca 120
 tccaaatctg agatagacaa gtctccaca acaacagcag cctgtccctc ccttccaaaa 180
 tgttgctggg ccaagcaagc catatgttcc tctctaatg cagcaacaac aaagacaaca 240
 agcaaccaag gctcctctc aaccttctt agaagagtta atgaggcaaa tgaccatcca 300
 aaatatgcaa tttcagcaag agacaagagc ctccattcag agtctgacaa atcagatggg 360
 gcagatgact actcagttga accaagctca atcccaaat tctgacaaat tgccttcaca 420
 gact 424

<210> 12976
 <211> 421
 <212> DNA
 <213> Glycine max
 <400> 12976

ctagaccttg ttgaagagac aaaatgatgc aatcctaccc cgcattgggca ttggctagaa 60
 gactccaagt agattgggct agagatccaa ggaaaggccc tagggttctc atgagcctta 120
 gggtagattt cgagcccatg ggctaagtat gagcccgctt atctttgtaa atattagaat 180
 aggttattcc ttcgtctagg ccttgatatt tggccattct agtagtatag ggtttttagcc 240
 ttgtatttcg gggcattttg agctgtgttt gtaataagga cttttttttg ttattttcat 300
 gttttttgtc atgggggtga gcttagctat tatagggggg gtgtagctaa gctctagctt 360
 ctcatctcaa ggaggtgagc ttagctatta tagaggtata ttagtagtaag ctctagcttc 420
 t 421

<210> 12977
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12977

ttaagtcacc tgcngctgca gctntcactc gcatgtccga ttaagcgcatt attgtatcga 60
 gacgctagaa atctaacaaa ggaagctctc gagaaattca aatggtcata actttttact 120
 cgcatgtccg attcaggcgc ataacatata gagacgctcg anattgaaca acagatgttc 180
 tcgagaaatt caaatgggtca taactttttca ctcggtatgc ccattcacgg catagcgtat 240
 cgagacgctc gacattgaac aacggggattt gtcgagaaaa tcaaattggc ataacttttc 300
 act 303

<210> 12978
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12978

tcttanagag gatgaaggga tacaaaaact caaaagtagc ccttttgtca aagagctaac 60
 tcaatatctc tctcttaagt ttttagctttg atatcaataa atgaaagaca atacttgat 120
 tttcacaagt tttccttggt attgcaattt ttcaaaagtt attctttctg ttttgacatg 180
 aagcaatagt tctgcctcct tttgtgtcta tagctttgtg tccaagatct gatgtttagg 240
 agtatgtttg tgttcctgca tttgaactca atgtggataa tctgagtgtt gcagaatata 300
 tccgactcaa agaagaactt gtagatggat agtaagggtt gtttgactta tctctgttat 360
 gtaaattatt ttctttatta ctattgaatg ttgtatttat tgcttacgat at 412

<210> 12979
 <211> 198
 <212> DNA
 <213> Glycine max
 <400> 12979

ttaatatagc gaagaattca ttttgccggc ttgagatgag tagtggttgg agtctccatg 60

tatcgactaa tgagtctaata accatataga atgcctgggtc ttgtgcacat caaatattgc 120
 aaactaccca tcaaactctt gaaatatgta gcattcacct tttctgcttc gtcgaacttt 180
 gataacttca ttttgcac 198

<210> 12980
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 12980

tgctcaattg ctccaggttg ctgcatagaa gggcaaattg ctgtatggtg gtcgacagag 60
 gagcataaac catagactct tgctataggt acagatttct gattcaaggc cagctggggtt 120
 accaggttaa ccaaggcatc tagtttacct tcaagcttct tagtttcagc tgatgaagat 180
 gaattcgtgg ttacttcatg cactcctcta atgacaataa catcatttct ggactaaat 240
 tgttgggagt tggaagccat cttctcaatt aaattcctgg cttcagcagg ggtcatgtct 300
 ccaagggctc caccactggc agcatcaatc atacttctct ccattgttact gagtccttca 360
 taaaaatatt ggagaagaag ttgctcagaa atttgggtggg gagggcaact ggcgcatagt 420
 tttttaaatc tctcccagta tt 442

<210> 12981
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12981

tgtgaaatgt ctcttaatca agttcctgtg aaaagaatta aagcagaatg gtgtgataag 60
 aatactgaga ttatgttgaa agtgtgcata gaagaggtga atgctggaaa taaacctcac 120
 aaccacttca ctaagcttgg ttgggcaaatt attgcagaaa agttcaataa ggcaacaaat 180
 ttgagatatg aatataaaca attcagaaat aggtgggatt ctttgaaaaa ggaatggcaa 240
 ttatgggcta agcttattgg gaaggacacg ggtcttggct gggatgggga gaagagaacc 300
 attgcagcta gtgatgaatg gtgggaagcc aaaattcagg tatttggttat tcaacgaaaa 360
 tagagttttt gtgcattttt ggttttattt tgcttcatct ctgtatatca tcacaacttc 420

<210> 12982
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 12982

agcttgtgac ccaatccaat gcctcttctt tegtgtccac ggagatatac cagcacaccc 60
 ctaccagcag cctcaatctg ttgcatcgca agtgcaagct gatttccaca gtcacatctg 120
 gcagatccaa atatgtctcc tgtcagacac tctgagtgtg ctctcacaag aacatcttgt 180
 ccgtctccaa tgtcacccctg ttaaataaaa aatgtcagaa ccacaaaatg gtttgaagtt 240
 gaccattgaa ccaatcaatc gaagtaa 267

<210> 12983
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12983

ntctgcaggg aagctaagtg tgaagtatgc aatcctgcat aggattggcg ctgcaaactg 60
 ggtaccacc aatcatactt ccaactgttg cagaggtttg ggtaaatttc tgtatgctgt 120
 tggaaccaag tccaaattta attttggaat ctatatcttt gaccaaactg ttaagcattc 180
 agaatctttt gctgtcaaat taccatttgc cttcccaact gtattgtgtg gcattatggt 240
 gagtcaacat cccaatattt taaacaacat tgactctgtg atgaagagag aatcggctct 300
 gtccctgcat tacaaactgt ttgaggggac acatgtccca gacattgtct cgacatcagg 360
 gaaagctgct gcttcatgtg ctgtgtccaa ggatgctttg attgctgaac tcaaggacac 420
 atgcaaggtg ctgg 434

<210> 12984
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 12984

atatctgctg gctgatcatt agaaccaatg aactcagtga ccattctctt ggacagaagc 60
 ttctctcgaa tgaaatgaca atcaatctct atgtgcttag tactttcatt gaaaactggg 120

tttgaggcaa tatgaagagc agcctgatta tcacaataca acttcattgg cagctcttca 180
 caagaccttc attcctgcag aaactgttaa tccacatgag etc 223

<210> 12985
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 12985

tgaatcggac atccgtgtga aaagttatga ccatttgaat ttctcaagag cttccatagt 60
 tcaatttcga gcttctcgac atagtatgcg cccgaatcgg acatccgtgt gaaaagttat 120
 gaccatttga atatctcgag agcttccgat gtttaatttc gagcgtatcg atatattata 180
 aacctgaatc ggacctcagt gtgaaaagtt atgactattt gcatttcgag agagcttccg 240
 atgtttaatt tcaagcgtat cgatatatta taagcctgaa tcggacatcc gtgtgaaaag 300
 ttatgaccat ttgaatttct caggagcttc cgttgttcaa ttttgagcgt ctcgatatat 360
 gatttgacctg aatcggaca 379

<210> 12986
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 12986

taaccacact ggccttgaat cagaaatctg tatctgtcgc aaaggtagt ggattgtgct 60
 cctctgctga ccaccataca gacctttgcc cttccatgca tcaacctgta gcaattgagc 120
 agccttaagc ttatgctgca cataattaca ataaacctcc tcaacctcag cagcataatc 180
 aaccacaaca gagcaattat gacgctttcg gcaacagata caacctgga tggaggaatc 240
 accctaccct catatggtac atccctcagc aacaacaaca gcgacctgct ccttccttgc 300
 aaaatgctgc tggcccaagc agaccataca tt 332

<210> 12987
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12987

agctntgaga aatatcaatt gacaatttct ntttactcgg atgtccgata gtgtccatag 60
tttatcgaga cgctcgaaac tcacaagcga agctgtgaga taaatcaatc gacaataact 120
ttgtactcgg ctgtccgatt gtctcccgt gtatatcaag acgttcgata ttcagaatag 180
aagctttgag caaaatctaa cgacaataac tctttactcg gatgtccgaa tgtgggtccga 240
agtatatctg agacgctctg aactcacaac ggaagctctg agaaaaatta aacgacgata 300
accttttact cggatgtccg attgtgtccc gtagggatc gagacgctcc aaattctaaa 360
cagaagctct gagcacaatc taatgacaat aactacttac tctgatgt 408

<210> 12988

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12988

gagcaaattc aaacgacaat aactttttac tcgcatgtct ggntgagtcc catattatat 60
tgagacgctc gaaattgaat gttgaagctc tgagcaaatt catacgacta taacctttta 120
ctcggatgtc tgattgagtc ccgtaataata tcgagacgct cgaaattgaa tgtttaagct 180
ctgagcaaat tgcaacgaca ataacttttt actcggatgt gtgattgagt ccctgaatat 240
atcgagacgc tggaaattga atgttgaagc tctgagctaa ttctaacgac aataactttt 300
tactcagatg tctgattgag tccagtaata tatcgagacg ctc 343

<210> 12989

<211> 348

<212> DNA

<213> Glycine max

<400> 12989

atgcagcttg tgggggacat gttgacatgt ttttttatct gacatttatc tttaaaattg 60
cctctatcta ttttcagatg gtgaatgcct ctaacaacac cttagacaat gattatcttc 120
atgcctctta gaagcagatg tcaaaatctg tgatgcccta ttctgacttc ctctgctttg 180
gaggatttac atgtggagga gtgactgtgt tcttgagatg accataagta gcggctgtac 240
ttcgaactgc tgcccctcat taaaacttta ctcttcttat tagtcaccaa gcattctggc 300

ttggagaagg atacattgaa tccttcgtca cactactgac tgatgctg 348

<210> 12990
<211> 198
<212> DNA
<213> Glycine max

<400> 12990

atttcgagtg tctcgatata ttatgcgcct gaatcagacc tccgaatgaa aagttatgag 60
catgtgaatt tctcgagagc tacctatggt caatttcgtg cgtctcgaga tattatgcgc 120
ctgagtctga ccttcgaatg aaaagttagt accgtctgaa tttctcgaga gcttgcgatg 180
atcaattttt agcgtctt 198

<210> 12991
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12991

tagcttggaa catattatat caatccgagg cctctcttaa gatntagaca aaatatctgc 60
tagttgatta tttgagctga caaactctgt agctatctcc ttggacagct acttctctct 120
cacaaaatga caggcaatct ctatatgtc gggctctctca tgaaacactg gaatagaggc 180
aatacgggaag gctgcctgaa ttcacaatac aacattattg gctgaacttc acagaatttt 240
agctctagaa taaattgctt gatccacact aatttccacg tgactgatgc catagccctg 300

<210> 12992
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12992

acttgtgaaa gatagtcatg aggggtgggct catgggccac tttgggatag acaagacgcc 60
tttcttactc aaagaaaagt tctattggcc ccatatgaag aaagatgtcc ataagcattg 120
cactacgtgt gtggcttggt tacaagccaa gtctanggtg atgcctcatg ggctatacac 180
acccttacct atccctctca caccttgggt agacattagt atggaattnt tcttgggctt 240

cctgaaccca aagaggtgag actctatctt tgtgggggga tagattagca ag 292

<210> 12993
<211> 411
<212> DNA
<213> Glycine max

<400> 12993

agcttgaac atatgaaatc aatccgaggc cttcttatag atttagtcaa aatatctgct 60
agttgattat ttgagctgac aaactctgta gcaatctcct tggacagcta cttctctctc 120
acaaaatgac tgtcaatctc tatatgcttg gttctctcat gaaacactgg attagaggca 180
atacggaggg ctgcctgatt atcacatac aacttcattg gctgaacttc acagaatttt 240
aactctataa taagttgctt gatccacact aattcacacg tgactgaagc catagccctg 300
tattctgctt ctgcacttga tctggcaaca tgattctgcc tcttgctctt ccaagagaca 360
acatttcctc caataaatac acaatattct gtagtagaac gtctatctat g 411

<210> 12994
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12994

tccgaaacaa aacacaaaac caagcaattc gaaacataat ccatcatcaa caccaccgct 60
accaccatca atatcttctc atgggtgggt ggctttattg gtatttgggc attttaattc 120
acacacttca attctcgtgt tcagtcagaa ccgtccatgg cttgatccca caatccccaa 180
tccaatgcag cagttcaggc tgcaccctcc gcaactccta cggcgcgtgg ggcgaccgaa 240
aagactgttc tgcctcaac gtgacatacc caacaaccga agaacagctc cgttcggcag 300
tgtcctacgc cgtcagaaac aacctcaaag tcaanggttg taccagattc tccacaccat 360
tccaattat catgccaca tgaaaatata acaac 395

<210> 12995
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12995

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agcttgcac tacatgaatg actcttaagg gaaaatggat ttgaatgaag atcaaaatac 60
tttaaaaaag tatatataac attaaatttt ttaaagcact ttatgaaata accttaagca 120
agtaattcac atatcacatt caaaatcatg cataatcatt taaaaaaata gtcattgtat 180
atattcaatt atatcaaaat aatcaacaca agtattgaag aataaagatc acagacatta 240
tctaattttt aaaaaaattc atgctttgag aaagaaaatt aactcaatca aaacatataa 300
acacatactc acaattttcaa tcaatcaaga caaacaataa aaatttttgt tagtcatcat 360
ataacaagtt aattgaaagg aaagtttcaa ccaaattaat tntaaaagag aatggtgttg 420
atgttacctt tttcatgatt taagtgccta gatcttcana gatggaagtc at 472
```

<210> 12996
<211> 359
<212> DNA
<213> Glycine max

<400> 12996

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cttctccatt ccattctgcg tggaaataga cacctccggc gtaggaatgg gtgcagttct 60
atcccagaag aaccacacaa tcgccttctt cagcaaacc tttctgttcta agctccttcg 120
tgcttccact tatgtcaggg agcttgtcgc cattaccacc gcctttaaaa agtggagaca 180
atacttatta ggcaatcctt tcactattct cacagaccac cgtagcctca aagaattaat 240
aggtcaggcc attcaaacac ctgaacagca atgctacctg gcacgattac taggctatga 300
ctatacaatt cactatcgtg tcggaagatc caatgcagca gtcgatgcc tctcacggt 359
```

<210> 12997
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12997

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gcttcatttt ggttntcaaa atcatctaca ataactaagc catagtaatt accacccaaa 60
ctcatagttc ttgaaggacc aaataagtct atgtgaagta gttcatgggg ttttgaagta 120
gaaacgtttt ttcctttgaa aagaattttt aacttgtttc cctttttgac acgcttcaca 180
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caattttttt tttcaaactt gagtttttga ataccaatta ctaagtcctt ttttaactaga 240
 tgattgaggt gatgcatgtt tatatgtgca gctctacgat gccataacca agaattatca 300
 atcttactta ccaaacaact aagtttatga aatgatgcat gttcaatatt caacatgtag 360
 atattaccta tccttttacc aatgtgagca acctcaccga acatagcttc actaataaga 420
 caacaattct tggttgaatt caatttgaag cccttgtcac atagttgact a 471

<210> 12998
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12998

acaagtatca tactctgcct gttccagata atttgaagcc taaagaggaa tgtggattgc 60
 attaactgac aagtatttct aaaaaaagaa agaaaatagc aagattgatc catatataca 120
 tgcacagttt gtgaacttag accatcacaa tttatactca ctttggttac tgctcgtaga 180
 acaaagagaa aagtgaata caaatntcta acacgatcag ggtatcttag gactcgggtca 240
 tacatcaaag taacaaagaa atgttgcata gtgaaatgaa attgtgagag caaattgaga 300
 aagaatagat aataattatt aaccactggg aggg 334

<210> 12999
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12999

tgagttcttc ttcattctctt ccncagactt atcctatcct atgccacca tgtaacttgt 60
 tgcaccagga acttgagca tccactacaa gaagcgaaag taaagggtaa attgatttga 120
 tcaaagctac tatagattca gagtattact aagtactaac aaggtagata catacttgag 180
 caaccttgat tgaattatga gtggcacctt ccagcacaca aacaaaaaaaa aaattgtaga 240
 agctgtcatt atgaaatatg cacttccact gttcattnta taaagtttgc ttatgatatt 300
 taaatattaa agcaattata taaaatccaa tactccggat ctaatgcaat acctccaaca 360
 atgttctcca cattataata tttagccaat tcttgatacc tgagacaatt gtgctgatca 420

cataactata gaacgaataa gagagatcta aattctatca aataggagac cgatatccct 480
tcattattga atgagttgta ct 502

<210> 13000
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13000

agcttgtaga ttaattggca tacgaattca tcttctactg aggtcgcgag tatccaaatt 60
catctcctat agattntgag tataggccca gtactttaat cttaataata tattttaaaa 120
cataatattc atatttcatc tctttaaagt tagaagtaat atttaaaatt aatagataga 180
gcagctatgt atgtgtgtgt ttgtttcatg agattagtgt gttatttata caacatttta 240
atctcttcga tgttttctaaa tcataattaa ttgtctcaac tgcattggatg tacttaaaaa 300
acatatattgc ttataattat aaatatcaaa caatcattat acaatatata aatagaggaa 360
ttaaacaat cttatgaaag ggcctttaat taacatactt ggctagaata aaaatttctc 420
ctcacattta taaaggtaaa actgtataat tatcata 457

<210> 13001
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13001

agctcgattt cttataatga aagagaaaga atattttctt gctggcctta tagtatctag 60
ttgggacccc agcagctgaa gtacatgaca tttctgaagg actcctctgn atgctttggc 120
ttctcatgat ttagtggtgt ggagagcata gcagaagcag aaagcctgtt agcctgagag 180
aatgagccaa aatgggtttt gagatggtgt tgaactgac ttatagcatt ggtccacctg 240
catatgcctt gttctttcaa ggcctccacc actccatgct ctaattcctg atgaactca 299

<210> 13002
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13002

gagaacaatg acaattgaag aatcaattca tgcttccttt gatgagtcta atgctatttc 60
tccaagaaag gatattntat atgatattac agaatcttta gaacaaatgc acattcatgg 120
acaatattct aaaggaaaag gagaaggaag caatgaagat ccaccaatag aagtcaaagc 180
aaataatgat tttccaagag agtggaaaac ttcaagagat catccccttg acaacattat 240
tggtgacatc tcaaaagggg taacaactag acactctctc aaagatntat gcaataacat 300
gngctttgta tctatgattg aacctaanaa tntaaatgag gccataatag atgaaaaatg 360
gataatagct atgcaggaag aactaaacca atttgaaaga aataatgntt gggagttagt 420
tgagaaacct ganaactacc caatcatttg aacaaaatgg gtg 463

<210> 13003
<211> 445
<212> DNA
<213> Glycine max

<400> 13003

agcttgaacg aatataagat acatcttctt catcttttggg gattcttgac tccatctcat 60
tgaagcgcag atccacttgt aattccaaag tgtcaaacct ttcaccaaca aaggtttgaa 120
gaccatcaaa cctgtccaaa atctttgaag tggtgaagga aaagggtaac aagatgaggg 180
taaagcaatg gagcattcaa tcgcaatgcc ttatgcatgc gatattctaac aagatgtgcc 240
caatcaattt gtagaccttt atgaaaggcc cacataacaa tgagatcttc ttcatatacc 300
tgagcaaggt ttgaagatct cggaagcaag atgcgaacaa ttagttaatg aaggatgcga 360
ctttcaaaag ccaatgaacc ggcaagaaag ctttcgggtca tatccgcttg gttgggtgcaa 420
accaaccggt gggcatcatg tacag 445

<210> 13004
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13004

tctctgaggt agaagttact tggaatgcta cctgtcatag cattatcata ctattaagct 60

cagaaggaat ttctccatgt agtttgtttc caaccaaatt caggtatgtc aagttagaaa 120
gatgactcaa agctgttggg attgatccag ataaactggt attggccaaa ttcagaattt 180
tcaaagattt aagagatcac ttagaggaag gtaagtcttt ttcaagcatg ttgtntgatg 240
ctgcaaangt ttggagctct tcacaacctt caatctcttc aggtatgtgg ccattaatgc 300
tattcatttg tacatcaaga gatattagat gcttcaattt accaattcca aagggtatgc 360
ttccatttaa gtggcagtat cctagagcca acacttttaa ttcactcatg tttcaacact 420
acgtggaatt cacctgtcgc atgttgctcc tattctagaa ctgcactcc tcaagt 476

<210> 13005
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13005

atgggagtn tganagcngt cttgtnagcc cataaggcgt aatctatctt cacagtccaa 60
tctttccttg aggatgcaac aatcttctct agaattctct ttagctctct attagacacc 120
tttgcttggc catttgtctg gggatgatac ggtgaagcca ccttatgttt gacattataa 180
tgccccaata cctaattgtag aaatgtgaag ccccatcact aattagcact ctgggaacct 240
aaagcgagag anaatgtttt tcttcaggaa cttgatgaca atcttggcat cattctttgg 300
tgcagccaca acttctaccc atttggacac ataatcaaca gctaccaaga tgtactcatt 360
tccatataag gatggtagag ggcccacaat atcaataccc caacagtcan atacttccat 420
ttcaattatg ttctacaat 439

<210> 13006
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13006

agcttcatgc ttaagtatgt atggcaaac ttctttactg ttgttcaaga catacaagtg 60
agcttgtaat aaatcttcta gacttggagt gatcacatgt agtcctcttg aacccttacc 120
accactctg tcatcatgcc gagacttaag aaggccaaca ggtttagcct tctcaatgta 180

ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
atgatataaa ttctttgtat acccttttaa gatcttcatg tatcgctcaa acgggtacat 300
ccaccgcaaa taaacaggac cacaacattt gatttgtgtg accagatgca taatcaagt 360
aatcatgatg tcaaagaaag caggggggaga atacatctct aactggcaca gtataattgc 420
ggcctcattt ccaactcatc anactgacgg atcaacgac 459

<210> 13007
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13007

aagaccttac atcatttatg aaatgcatat tattaccaaa tatcaatatg tcatccacat 60
acatacatta aatgacacat ccactataat caaattgtnt cacatacaca catttatcac 120
tattatngag ttgaaaatca tatgaaagaa caacttgatc aaactnnttg tgccattgct 180
ttggagcttg tttcanatca tataaagaat taacaagttt gcaaactttc tttccatac 240
ctggctctac aaagcctttg ggctagctca tataaatgtt ttcttttaat tcaccattaa 300
aaanatagct tttacattca tttgatgaat ntccaaatta naaatacaag caagtgaat 360
taaactctaa tatagtaatt ta 382

<210> 13008
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13008

tattatgctc ttgcanaatc ctctcatgt tcatttttgg gttcatttca gtgagttnt 60
tttttttttt gtgagcatca atgtatggaa tcacctctgt tgtattgttt aatacatata 120
gatgcgcttg tgagacttcg tgctgagtc tttgtgataac gttgaatcct cgtgtaccct 180
taccccccggtgtccgacca tggcgacttt cgggcaggcc gacgggttga gcacattcag 240
tgtactggga gcaaaactca atacactctt cagtaacata cctttcgaca attgaagctt 300
cgggtcggtg tagattcttc gtatacccct ttaacacttt catgtaacgt tcaattggat 360

acatccaacg ttaganaaca ggcccacaca ttatgatctt cctcactaca tgaacaat 418

<210> 13009

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13009

tcaagaatta atggggtcat catactactt gttccncgaa tgcaattcaa ttaataggcc 60

tcacatnttt aatggagtgg gttaccactg ttggaaaacc cacttgcaaa tcttcataga 120

ggctatagat ttaaacattt gggaagccat agaaataggg ccttatattc ccaccatggt 180

tgctggaaat acaacaatag aaaagcctat ggaagattgg agtgaggaag aaagaagact 240

agtacaatat aacttataag ccagaaacat aattacatct gccctatgaa tgaatgaata 300

ctntatggta tcaaactgta taagtgcaca ggatatgtgg gataccctac aagtaacaca 360

tgaaggcaca acagatgtta taagatctan gatatacaca ttaactcatg aatatgaact 420

atztatgatg aatgcaaag aaagtataca agacatgcaa natagggttca cacacatagt 480

taatcatctt g 491

<210> 13010

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13010

cgttcctaata ttctctacaa ttgcatcacc tctcaatgag ctgggtgaaga agaatgtggc 60

atttacctcg ggtgaaaaaac aagagcaagc ctttgctttg ctcaaagaan agcttactaa 120

ggcacctgtt ctagctcttc ctgacttttc taaaactttt gagctagaat gtgatgcctc 180

tggagtggga gttggagctg tattgttaca aggtgggcac cctattgctt attttagtga 240

aaaacttcat agtgccaccc tcaactaccc cacctatgat aaagagctnt atgccttaat 300

aagagccctc caaactttga acattacctt gtttcaagga attgtcattc tagtgatatt 360

aatcactt 368

<210> 13011

<211> 379
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13011

atttccacac atctgagctt catcaagtgg cgtattttccc atctgtcttt ggtaaaaaca 60
 ctagctcctc cttctaataag caactttgcc atgaaatata aatcttcagc tgcagcaatc 120
 tgaagaggaa cttggaaatc ataatctttt aagttaggat ccatgccatt ggataaaaagt 180
 cttttaagat aatatgaatc tccccttgca actgcaatac acaaaaaact accaacattn 240
 tcaatcttca tagaggcccc ttatccaaca agtaaagaag caataatagg gagcgagagt 300
 tgtgaacaat gtgttgcatt accaagacct tgacggccga acatcactgt ccacgaagcg 360
 caaacccgcg ctgatcatg 379

<210> 13012
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13012

tgcaagcttt ganaaattca natggtcata actnttcaca catatgctag attaaggcgc 60
 atcgcatata gagagactcg aaaatgaaca acggaagctc tcgagaaatt gaaatgggtca 120
 taacttttca cactgagggtc cgattcaagc ttataatata ttgatatgct cgaaattaaa 180
 catcggaagc tctcgagata ttcaaattgt cataactttt cacatgaatg tccgattcgg 240
 gcgcataata tgtcgagaag ctcgaaattg aacaacggaa gctcttgaga aattcaaattg 300
 gtcataactt ttcacacgga tgtccgattc aggtttataa tatatcgata cgctcgaaat 360
 taaacatcgg aaactctcgc gaaatttata tggtcataac ttttcacacg gatgttcgat 420
 tcgagcgcat aatatgtcga gaggct 446

<210> 13013
 <211> 466
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13013

tgcctagagt ttatttataaa aatgtntntg gatgtaacac ctataanaga acattttcga 60
 aaaaaaaatt tatgatgaga agaagttcgt attgaagttg ggattagagg ctaagaggat 120
 tgattgttgt gtggatgggt gcatgttgta atgatggagc gctaactaaa tgcaagtttc 180
 gtaacaagcc caagtatcgt gcgaagacta ttggaacaat cattaaaaaa ccagttccag 240
 taaaggcaat gttctatctt cttgtaatac caagggtgca gagaatattt gcattgatgc 300
 anattgcaag ccaaaagaca tgacactatg agaatagaag atattcagcc atgttacgtt 360
 atccctcttt tgggtgaagcc tagagacact ttgatcaggt acattgcaga ttntctattg 420
 atctgtggaa tgtgcgactt agttatacat agatgaattt aaacat 466

<210> 13014
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13014

gctctcgaga agttcanatc gttataactt ttactcgga gatccgattc acgcgcataa 60
 taacgtgacg cttgaaatag aactatgaaa gctcttgagc aattcaaagc gtcacaactt 120
 ttcacacgaa ggtcagattc acgcgcataa tatatcgaga cgctctgaaa tgaacatcga 180
 aagctctcaa gaaattcaaa tgggtcataac tcttaactcg gaggtccgat tcatgcgctt 240
 aatatatcga gacgcttgaa attgaactat ggaagctcct gagccattca aatggtcata 300
 actcttcact cggagggttcg attcacgcgc ataatatatt gagacgctcc aaattgaaca 360
 acggaagctc t 371

<210> 13015
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 13015

agctagaaga aataagggat taagctttct ctattggctg aagcagatta catacctctc 60
 gaggcattgag cgtcttgagg ataactctgc aagagacaac atgacaaata tctcatcaat 120
 ggtgaaagag accaacaataa gcaaacacag tgggtactaa ttgagggtga ggtcctattc 180

ctgccttttt cccaacatct gtgtgggaaa aaagagaaag gggaattata aaaagagaca 240
aaagtgaaga gtgtttatgt tacttaccca atgacatggc gaccgccatc atgaacagct 300
tgtgatacta taccattag acctatgctt tctcctccat acaccagatc gatgtggctt 360
gagaccttaa ttacaacacc attcaaaaaa caatattaat cagccttgaa tattaaac 418

<210> 13016
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13016

tcaagaaaaa gatggcctca gcaaattcct tatttccaga aaggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccacg actggaaaac ccgaatgcaa atttttattg 120
aggcaataga tctaaatatt tgggaagcca tagaaatagg gccttgtata cccaccacag 180
tagaaagaat tacaatagat ggtagttcat caagtgaag cataactata gaaaaaccta 240
gagatacatg gtctgaagag gatagaaaac gagtacaata caacttataa gccaaaaaca 300
taataacatc tgccctgnga atggatgaat acttcanggt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacaa atgaaggaac tacagatgtt aaaagatcta 420
ngataaatgc actaactcat gagtatgaaa atatt 455

<210> 13017
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13017

atgcctcagc aacagctttt acttctttct ctggcacagc aaagcataca gaatgctcac 60
tactagccta cataaatact gttaatgatt aatgccattt cttatatatc agcgtggaca 120
actagaaaaa ttgaaaaaag ttataagtgc acctgagata tcatgataac attagctcca 180
acatctttta ctgcaccaa aatagcactg gcagtacctg gaacaccagc cattccagtt 240
ctgcaaaaaa gcatcaaaga anaatttatt ggaatctaca acttggaaca ttaatatggg 300
ttaagaaaaa ccttatatta aatagaaatc ctctgtcagc aaaaaatgcc aactattcat 360

catgtaacac aactgcaatt catgactcac ccctcgacgt ttacaa 406

<210> 13018
<211> 331
<212> DNA
<213> Glycine max

<400> 13018

tagtacaatt tcgagcgtct cgacatatta tgcgctcgaa tcggacatcc gtgtgaaaag 60
ttatgaccat ttgaatatct cgagtgtcta cgatgtataa tttcgagtgt atcaatacat 120
tataaacctg aatcggacct cagtgtgaaa agttatgacc atttgaattt cacgagagca 180
ttcgtttgttc aatttcgagc gtctctatat gtgatgcgcc ataattgtgc atccgcgata 240
aaagttatga ccatatgaat atctcaagag cttaccgtga tcaattttga gtgtctctat 300
atgtgatttg cctgaatcgg acatccgtgt g 331

<210> 13019
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13019

tttttgtatt tatcacaata tgcaaagatg atgatcaaag tctaactttt cccatgcgta 60
aattattctc taggtctgat actatntgca aatctttata taagtttttc ttcttttatg 120
ttntatgatg tgagtgtgat atggcagagc aataaggaaa gcaatttgca tccacaaaac 180
aggagatgca gcttcttgca agtttttgaa taatcccttc atgatcggtt ntgggatctt 240
gcaactnttc ttgtcccana ttccaaactt ccatgagctt acatggctct caactgctgc 300
ctgtatcacc tcttttggtg tgtattcatg gcagtggctg tgtctctggt cgtctctagg 360
tactttttgt ctcataaata tcgaatagtg aatataatac cgatntacta tagagttcaa 420
gttctgctgt gctcctcggt tatatt 446

<210> 13020
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13020

gctaacatcc ncagactggc cttcaacggt ttctctctct atgccgtctg cgccattgac 60

aagttacagt ctaacaatac taactctgag gaatattcct ctttcattcc gaatcttccg 120

catactatca cgttaaacgc aacaccaccg aagatattga ccgagttcat gaagccactg 180

ctggaaacag agctcanaag ctacggctta atcgtcaacg actttgcgga actcggagga 240

gaagagtaca tcgagcacta tgagcaaacc acgggtcaca aggcgtggca tattgngcca 300

gcgtctctta tgtgcaaaag aagccttgaa gagaaagcgg agaggggaca gaatagtgtg 360

gtgggagcgg acgagtgcac gagatggctc aacgggaaga gagtgaaatc ggtgggtgtac 420

atatgctntg ggagcatgtg tcatttccag gataaacaac tata 464

<210> 13021

<211> 553

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13021

ctaagcttac atggagctac attagtaagt gtcgagggtca caccttcatg cacaggtaac 60

tccccacat ggtgatcacc ctgagtctta agggagttcc aaaaccgagt gacatacccc 120

caagtacaag tatttcccct tatgagaaac ttcaagtact tactcgcaaa gtttatacta 180

tttccatgca acatgaagta tgaaacatgg gtaccatcaa tgcacaaact gtggataatt 240

aaagattcta agtcatcccc cttcatagat gcttaaaact ctctaaccac tctttcctcc 300

accagggata tccatcatgg taactgaacc cncatgtac atacacaaca tacatcatca 360

caatgacatt ntcaacatca acaacatttc atctcaatgt cattatcaac atcaacatca 420

tctcatctca atgccattct gaacatcaat atcatctcat ctcaatgaca ttatcaacaa 480

caacatcatc atctcatatc aacataataa ttaataacaa catcacctca tatcatatta 540

tcataacact gac 553

<210> 13022

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13022

tctgggggac atcttgactt gctntccaat ctgacattca ccatagattc tgccttcttc 60
tattttcaga ttgtgaatgc ctctaacagc acctttgtca atgattntct ttatgcctct 120
taagcgaga tgtccaaatc tttgatccca tattctgact tcattcttctt tggaggatag 180
acatgtggag gagtagctgg tttcttgggg tgtccatagg taacaattgt cctttgacct 240
gctgcccttc attagaactt cactcttctc atttgtcacc aagcattctg actttgtgaa 300
gtttacattg aatccttcat cacacagctg actgatgctg atcaagtttg cagtcagt 358

<210> 13023

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13023

ctaagcttaa ccgatatnta agctgttntg tcaccttaata aatgataata tgaatttcaa 60
ccgatcattt gtgttgtaat ctcgtttaat cactgttaaa gtaaaatcta accgatcggt 120
cacgttgtaa cctcgggttaa acaaaaaaaaa gcacaataat tataaaataa tcaaaatata 180
tttaaataaa ataataaaaa ataattctatc agacgttntt ctttggaagt ttccttgaat 240
gaattgacta ataaacaaag tgaaactgaa attctgatac caatgccaga tgtcgtacag 300
gatgtcacga catcacgctt cagaacatgc agatta 336

<210> 13024

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13024

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aggatnttcc agggaaagat gttactgggtg gtgtggatcc ctatgttgaa gagaagctng 120
gaaactacat gggccttacc aagcancttg agaaaaagtc caatcctcac tggaatcagg 180
tttttgccct ctctaaagaa aggattcaag cttttgttct ggaggtagtg atcaaagaca 240
aggatattgt tgtggaagac tntgcaagga gagtgatggt tgatattaat gaaatcccaa 300

aactatattt cccttttctt atctagttnt cattaacaaa ttcttctata tcttactaat 360
 cttagagaag aaaatatgta ggaagagcaa aattaacccc tacatatgta gcagtatcac 420
 at 422

<210> 13025
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13025

cgtactgcac agttgtgaaa ttccctgtgg ttatattggt gtctcttaat ttgatcacct 60
 ttgtactaga tntcataatt gttgtaaggt gtttggttg gttgggcacc acttgtgcta 120
 aattaagtgt tattaataaa tcatttgcct tttaaaaaaa aattaaactt caccaggaat 180
 tgaaatcatg caagtcggtg acaattaaag catctaaaat atcaatggcg aaaatatttg 240
 tactcccttg ttttcaaata taaggaaaaa atatattntt ttaatctcaa atataaaaaa 300
 taactaattt cacattatnt aatattacta tatctctcga aatatcttga tntaattgat 360
 gttctagttt caataactat nttttatcat tataactaaat ttcaatgaaa gataaattaa 420
 anaaatattn taatttaaata aatacaataa ttaactttnt taatactata tcattttttc 480
 tatatttgaa at 492

<210> 13026
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13026

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 aatcatccat aaacacctct atgcaatttt ctaaaaaatc actgaaaata ctgatcattc 120
 accgctggaa ggtaccangg gcattgcaca ggccgaaagg catcctccta taggcaaaag 180
 tgccgaaggg gtgtggtttt ttcttgatcc tgaggagcaa tagtgatttg catataacca 240
 gaanaaccat caaggaaaca atagtgagat ttacctgcca ggcgtttaag catctgttaa 300
 atgaatggca ggggaaaatg tgtccttttg gtaacctggt tcagcctcct atagtogatg 360

cagactctcc aactgttctg cacccgagta 390

<210> 13027
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13027

atgtcttatt gaggccgctc atatctcgag acgctcgaaa ttgaatgttg aagctctgag 60
 ccaattcaaa cgacaataac tatttactcg gatgtctgat tgagtcccat aatatactga 120
 gagctcttaa attgaatgtt gaagctctca gctaattcaa acgacaatag acttttactc 180
 ggatgtctga ttgagtcccg taatatatcg agacactcga aattgaatgt tgaagctctg 240
 agccaattca aacgacaata acgttttact cggatgtctg atngagtccc gtaatatatc 300
 gagacgctcg aaattgaatg 320

<210> 13028
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13028

tgtcttgaag tctaaagccg atgaaggaca tctgttaatc acataggcta ttgtgtttgc 60
 agcttctccc caaaaggtct ttggcagctc agcacttagc ggcattgcacc tcaactcttc 120
 caaaatggctc atattcattc tttctactaa tccattctgc tatgggtgtg gagggactat 180
 tatgtgcctt ttgatactg attntctgca aaactcattg aattgctctg aaacaaactc 240
 catgccattt tcagtcctta aaactnttag ttntgtacca agttgatttc caataagagt 300
 atgtcactct ctgaattttt aaaagcttct aatttgtgtt tcaaacatac agccatactc 360
 ttcatgagaa tcattctatga tgatga 386

<210> 13029
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13029

cttctccatt ccattctgcg tggaaatagt ctcttcggc gtaggaatgg gtgcagttct 60
atcccagaag aaccacacaa tcgccttctt cagcaaacc ttctgttcta agctccttcg 120
tgcttcact tatgtcaggg agcttgctgc cattaccacc gcctttaaaa agtggagaca 180
atacttatta ggcaatcctt tcaactattct cacagaccac cgtagcctca aagaattaat 240
aggtcaggcc attcaaacac ctgaacagca atgctacctg gcacgattac tatgctatga 300
ctatacaatt cactatcgtg tcggaagatc caatgcagca gtcgatgccc tctcacggta 360
gccaaaagaa gcccacttg gcaatatttc ttctaccatt catacttntt tttttttgaa 420
gaactaaaca acaactctca caatccc 447

<210> 13030
<211> 338
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13030

ttaagcaatt canatgggtca taactntcac tcggagggtcg tatttatgcy cataatatat 60
cgagacgctc gaaattgaac aatggaagct cttgagcaat tcaaattggtc ataacttttc 120
acatggagggt tggtttatgc gcataatata tctagacgct cgaaattgaa caatggaagc 180
tcttgagcaa ttcaaattggt cataacttgt cactcggagg tgggattcag gcgcataata 240
tatcgagacg ctcgaaattg aacagtggaa gctcttgagc aattcaaattg gtcattactt 300
ttcactcgga ggtccgattc aggcacataa tatattga 338

<210> 13031
<211> 511
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13031

tttgagcgtc tggatatatt acgggactca ttcatacatc cgagtaaaag gttattgtcg 60
tttgaattgg ctcatangtt gaacattcaa tttcgagcgt ctagatatat tacgggactc 120
aattagacat ccgagtaaaa agtcattgtc ctttgaattg gatcagaggt tcaacattca 180
atttcgagcg tctcgatata ttacgggact caaccagaca tccgagtaaa acgttattgt 240

cgtttgaatn tgctcagagg ttcaaaattc aatttcgagc gtcccgatat attacgtcac 300
 ggaatcggac atccgagtag aaagttattg tcgtttgaat tggctcagag gttcaacatt 360
 caatttcgag cgtctcgata tattaaggga ctcaatcaga catccgagta aaaagttatt 420
 gtcattcgaa tatgctcaaa gcttaaacca ttcaattcga gcgtctcgat atattatggg 480
 actcaatcag acatccgagt anaaaagtat t 511

<210> 13032
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 13032

tgcttctaca taccctgcag aaatagatgg tatttcacat tagccttacc cctcttgcgt 60
 gcgagagggtt cgttcttttc ttgctcatgc aggtttttat aggcacttta tcaaggaatt 120
 gtgcaaaatg gcccttccac tatccaatct gctgcaaaag gaggcggagt ttgattttga 180
 tgaccgatgc aaagaggctt ttgattgact caagtgtgtg gtgactacca cccctatcat 240
 tcaagaacct gattggatag cccatttga gctaattgtg gatgcatcca attacacatt 300
 gggagttgcc cttgctcata agattgataa gctgccttgg gtgatctact atgcttccag 360
 aactttggat gctgctcaag aaaattacac tagcacagag aatgagctat tagcgatagt 420
 ttttgctctt gagaaatttc gtcatat 447

<210> 13033
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13033

agctngtttc aaattaagat cagtataaat tagtatatct cttgcgtcat gtccatacat 60
 nttacaaact taaagtcatg aatcatatct tcgaatgcgt ctgtatatat attgaaatat 120
 taagtgccat tgacaaattt ttataaaaat tctaaattga aggtctgaat taacccatca 180
 aaattcattc catacaagaa tccatctaaa tctatttact ttcgaatacc aaaagacatt 240
 ttaagagtgg tcagaaatct catttgaata ccaacagata ttgttgctg aaaaaaaaaat 300

ctttattgtc gtaatcgaat accacacgat ttgtttatat tctatataac tcttgattga 360
 ataccacaag actttttaat cataaaaaag tttttaaaat tccttgaaat ttaatccatc 420
 ccaccccctg 430

<210> 13034
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13034

ntntagcaat tcaaattggc ataacgtttc actcggatgt cggattcaag cgcataatat 60
 atcgagacgc tcgaaattga acaatggaag ctcttgagca attccaatgg tcataacttt 120
 taactcggag gtccgattca ggcgcataat atctcgagac gctcgaaatt gaacaatgga 180
 agctcttgag caattcaaat tgtcataact tttcactcgg aggtcggatt cagcacata 240
 atatttcgag acgctcgaaa ttgaacaatg gaagctctcg agcaattcaa atggtcataa 300
 cttttcactc ggaggtccga ttcaggcgca taatatatcg agacgctcga aattgaacaa 360
 tggaagctct ctagcaattc atatgggtcat aacttttcac tcggatgtcc gattcacgca 420
 cataatatat c 431

<210> 13035
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 13035

agcttattgt cgattgaatt tgctcaaagc ttctgttctg aatttcgagc atctccatat 60
 actacgggaa acaatcggac atccgagtaa aaaggttttg ttgtttgaat tttctaagag 120
 gttatgattt caattttgag cgtctcgata tattacgaga ctcaatcagg catccgagta 180
 aaaagttatt gtcgtagat ttttcttaga gtttctattt ccgattatga gcgtctcgat 240
 atattacgag attcattctg acatccgagt aaaaagttat tgcgtttga ttttgctcaa 300
 agcttctgtt atgaatttcg agtgtctcga tatactacgg gacacaatcg gacatccgaa 360
 taaaaagtta ttgacat 377

<210> 13036
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13036

agcttatata tatatataga tatatTTTTT acttattaaa actaaataca attntgatat 60
 gtgttggttt atgtaatttt gaaataaaaa tatatagaaa gataaaactt gaaaggttat 120
 atatagaaag ttcataaagt cgtaaaagat gaatatataa aaatgcgtca aaagtacatg 180
 atgaagatag ggtgaacaga agttgggtta agtgaatttt tgacaacgga aaccaaata 240
 ataaaataaa aaaaaaaga aaaaagctat ggaaaacttg cgtgtcccca cagctatggt 300
 ttgtagtctg atgcagagct gctgagataa ggatcatcaa atcgaatc tttctccata 360
 ctgccttctt ctctgactat atggattcca attgctttaa tgactgagct ctctaactct 420
 aacacacct 429

<210> 13037
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13037

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 atggcatcat ttctggcact aaattgttgg gagttggaag tcattttctc aattaaattt 120
 ttggcttcag caggggtcat ttctccaagg gctccaccac tagcaacatc tatcatactt 180
 ctctccatgt tgctgagtcc ttcataaaaa tattggagaa gaagctgctc tgaaatctgg 240
 tggtgagggc aactggcaca taatttttta aatctctccc agtattcata taagccctct 300
 ccactgagtt gtctaatacc tganatatcc tttctgatgg tcgtggctct ggaagcangg 360
 aaattttntt ccaagaatac tctcttgagg tcctcctagc tcatgatgg 409

<210> 13038
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 13038

cggcagcaat atagctcaat acattacatg ttatttaaac cttatacct aaaacaccac 60
 cagcaactta ctacaccaa tcttgcaat tttttccct atctgcctaa tagcaaggg 120
 ctcttacatc ccacataaac ctccaaaaca aacgaaacct aacaataaaa attaaaaaaa 180
 agaaaaaaaa acaaaactagc ctccaaatcc ggagaggggt cttccttgtc tcttgagagc 240
 ataaaccaca tccattgccg taacgggtctt tctcctagcg tgctcagtgt aggtaacggc 300
 gtcacgaatc acgtttctcca gaaagatctt gagcacgcca cgtgtctcct cgtagatgag 360
 accactgata cgcttcacac caccctgcg agccaaacgc cgaatcgcag gcttggtgat 420
 tccctgaatg ttatcgcgca acaccttacg 450

<210> 13039
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13039

agcttgcaat accctgagat gtattctttt ttaacaactg actcagctta gtcttcattt 60
 gtatacattt ccttgggtag ctgcatctt cttctaaata acagtctgct ttatctgttg 120
 tcctacaagt gttgttcttg gggatcatgc atgaattggc ttaccacact cacagcataa 180
 gcagtgtctg gtctactatg ggacaagtag atgaactttc ccactgggtgt ctggtactgt 240
 gacttctcta ctgttggcct taatccccac ttccaatctt gtggttctgc tcaatgggaa 300
 cattgaatgt tttacaccct tatttgcttg tttctntgag aagatcaaag taaaactttc 360
 tttgggtgat aaagggtacct tgtttgggaat 390

<210> 13040
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 13040

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 tttacctata accaatgtcg gttatcataa aacaacatcg gtttataaca aaaattgatg 120
 ttgttggctg actactaaca tcagttttgt taaaaaccga tgtaatatata cagatacaac 180

atcggttgtt ctgaaaaccg atgttgatat atgaagatat ataacatttc tataataatt 240
attgctatac acattgggtc tgtgaaaaac cgatgttaac ggtattactt tcaacatcgg 300
ttaataaatg atgttgaaag tccttaataa ccgatgttaa aaccctatctt tttagtagtg 360
atgtcaacga tagtcctag 379

<210> 13041
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13041

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cacaatagaa tgatgatttt gctgaattaa agtgtgtgaa aaacatttta caatgaaatt 120
aagactttat tgtaaaatat ataattaaat caatttcggt gttttgtttt tttcatcttc 180
actaatatgc tggaattgtg attatatatt acatcttggt ttgtgaaaaa agtaaagaat 240
agaattacta ttacattata taaggggact aaatataaca tgtacaatag aaatacaatt 300
ttgtgtgaca atgtacaaca aaattatatt tttattgtgc atgttttttt agcaaaaaaa 360
tatataaatt nttcactaaa taaaattgag attatctggt atacaataga atcttgattt 420
attgattact gaaacccaaa aaaaaaaaaa 450

<210> 13042
<211> 390
<212> DNA
<213> Glycine max
<400> 13042

agcttgaagg aaaactggat gcattgggtt atttggtaac ccagctggcc ttgaatcaga 60
aatatgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggtccagcc 300
cttagcaaca acaacagcag cctgctcctt cctttcaaaa tgctgctggc ccaaacagac 360
catacattcc tccaccaatc caacaacagc 390

<210> 13043
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 13043

agcttccatc agcagactca cattttacta tccgaaagtc tcaacctgct ctgataccac 60
 taatgtaacg acctgcctca tcgctacaat atcaccattc taaatcgcga tcatttcaaa 120
 ttttaaataa aaaatccatt aattttctta tataaaaaaa tgaaagtaat ttttgtcttg 180
 acatacattc accaaacaac acacattact tttcttatat aaaaaaatga aagtaatttt 240
 tgtcttgaca tacattcacc aaacaacaca cttacttaa gtggatacgt atatattagt 300
 atagtaactt agtacacatc attcacataa tggaaataaa cttgtttatac atataattaa 360
 atatgtgatt acatctttat tcaacaaaga atatgaacca ctatggggag tgataac 417

<210> 13044
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13044

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 cgaaccagta taaaattctt gtgtttttct tcttcttcca tacacttttt aatttccgtt 120
 gtgtacttta cttttatgct ttacttttgt ttaagttaca taacttagta gtaaagccta 180
 attgaatcta gtaacattaa gaaggatcag ttttaattag tcaaggttac ttaataatta 240
 attcaacccc cctattctca attactccaa ggccacttga tccaacacat tgtaccctga 300
 gcaactgcca gntaggtctt cttccttttc ttttcttttc ttaagagttg aatgaatcca 360
 tgtacccttt atgggcctct ctgatattat gtatggattc atct 404

<210> 13045
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13045

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aagatagcat gagaggaagt gatagcagag aagatgaaag tggatgaatag gaagaagaat 120
ggttagaaga tgttgataat ttaatgaatg atgatgggtt tgatgacatt gatgatgggtg 180
atgactggag tgatgaagaa gatgatgatt tgccgccaga ttttgatgag gatgctgaac 240
ttttggagat ggggcaagga aagactatta aacaagactc gagacagaat gatgaaatgg 300
tccttcttcc tgtactccct gatggtcgctc caagagaaca atggtgatct tcacaaaaga 360
aagcatctgg cttcatatct gatattgtac tggctgattt gtggatgtgc tttt 414

<210> 13046
<211> 380
<212> DNA
<213> Glycine max

<400> 13046
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cacttctggc actacattgc tgggagtttg aagccatctt ctcaattaaa tttctggctc 120
cagcaggggt catgtgtcct aaggctccac cactggcagc atctatcata cttctatcca 180
tgctgctgag tccttcataa aaatattgga gaaaaagctg ctctgacatc tggatgggtgag 240
ggcaactggc acataattga ttaaattctt cccaacattc atataggcgc tatccactga 300
gttgactaat accggaata tccttataga tggctgaggt cctggaagca gggaaaatgt 360
tgtctaagaa tactgtcttg 380

<210> 13047
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13047

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aatgtatgta tacatgattt tgatgatgtc aaagaagaat ctaacaaggc tgcttcaa 120
gataagtatt tgcttcaaga ataattcaag attgcttcaa caaacaagc cttgtttcaa 180
gattcactaa agaccaagcc ttgccttaaa acaaagtgtt ttcaagacat gcaaggctct 240

ggtaatcgat taccaggaag tgtaatcgat taccagaaga caggggtgag aaatagctgt 300
 tgaaaaatgt tttgaatttg aattttcaac atgtaatcga ttaccatattg tctgtaatcg 360
 attaccagca atggaacttt ggaaattcaa attcaaaagt cataaccttt canattataa 420
 ctgtgaaatt gattacacaa acattgtaat cga 453

<210> 13048
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 13048

agctaggagc tgttattggc aaattacttt ctgatattag ctcttataga agattgatag 60
 gaagactcct ttatcttacc actacaaggc tagatataac ttttgactg aatcaactta 120
 gtcaattcct atctgctcag attgtcatca agcagctgct cacagagtac ttcgctatat 180
 caaaggctca cttgcatgtg gccttttcta cccagcatca aacgctcaca agctcacagc 240
 ctacaatgac tctaacttgg ccagttgcat tgattttaga aaatccatta ctggatattg 300
 tttatacatt ggtcttttat cttaccacta caaggctaga tataacttgt gcactgaatc 360
 aacttagtca attcctatct gctcagattg tcatcaagca gtttctcaca gagtacttcg 420
 ctatatcaaa g 431

<210> 13049
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13049

tcagctcgct ttcaatctcc ctttttgatg atgcaacttc tttttcaaga aacacacaca 60
 cacacttttt cctagtcgat cactcacata aatttccatt ctccccctta gtttttgaat 120
 ttatgcttct cttaaaatta agttgattac tcatgtgagt tcttgattta atccctattt 180
 ctctccccct ttggcatcaa caaaaagcca aagtgtgtaa caagtttaaa gcatacaaat 240
 acaaataagc atccatacaa cattcatgga aaatataaac caaacatga atagatcaaa 300
 tatataaaaa tcacatagtc aaataacata attaataattt gttcaaacat accaagcaaa 360
 taaagaaata gtanattggc caaatatcat aataatataa attatttgga taagtcacta 420

acatctagta gtcctaatt 438

<210> 13050
<211> 438
<212> DNA
<213> Glycine max

<400> 13050

tatagaatat ataataagag aactatgatt attgttgaat ctattcatgt ttcctttgat 60
gagtctaattg ctattcctcc aagaaaggat attctagata atattgcata atcttttagaa 120
caaattgcata tttatggaca agattctaaa ggaaaagggg aaggaagcaa taaagatcct 180
ccaaaagaag ccaaatacaa ttatgaactt ccaagagaat ggaaagcttc aagagatcat 240
ccccttgaca acattattgg tgatatctcc aaaggggtaa caactagaca ttatcttaaa 300
gatttatgca ataatatggc ttttgtgtct atgattgaac cttaaaattt aaataaagcc 360
ataatagacg atcattgcat agttgctatg caagaagaac taaatcagtt tgagagaaac 420
aatgtgtggg aactagta 438

<210> 13051
<211> 400
<212> DNA
<213> Glycine max

<400> 13051

agcttataaa gaaaaatgat ggcttggttt taaccaatc acattatggt gataagctat 60
tgaagaagtt taattatttt gatgtaaaac ctatttctac ttcttatgac tcatccatta 120
agttaaagaa aaaattgaat aaaggaattt cttcacataa atattctcaa attattgggt 180
ctttgttgca ttgacaaaac ttctctacgc ctaacattgc atatgaaatt ggtagattag 240
gaaggatatac taataatcat gatcattctc attggattgc attagaaaga gtttttagat 300
acttaaaacg aaccattaat tatgacattc attatacatg ttttcgtgca gtaattgacg 360
gggttagtga tgcaaatacg atttcttgat ctaatgaaac 400

<210> 13052
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13052

tcaacatcag accacttccg ggtgctggaa ctacttctta tggattngat ggagcctatg 60
 ctaggtgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga tttctccaga 120
 tttacctgtg tcaacttcat cagagagaaa tcagaaacct ttgaagcatt caaagaattg 180
 agtctaagac ttcaaagaga aaaggactgt gtcatcaaga gaatcaggag tgaccatggc 240
 agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300
 ttctctgcag ccattacacc acaacagaat ggcatagtgt aaaggaaaaa caggactt 358

<210> 13053
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 13053
 ctcaagcttg ccattctcca ttagaaatgg aacatatagc atagctgtgc tacttttgct 60
 cttaaatttt gatgagactc tatcagggga aaagagaaag ttgcaactgt tggagctgat 120
 agagatgagg atgaatactt atgagtcttc gagattgtac aaagaaaaag tgaaggcttg 180
 tcatgaccag aagctgatat agaaagatta tatgccaaac caacaggctg tgctattcaa 240
 ctcattgattg aagctatttg caggcaagtt aaagtctaaa tggctctggac cattcaccat 300
 caaggatgtc acgccttatg gagcagtgga attatttgac ccttactcag aggctctgaa 360
 tataagatgg atagtgaatg gccagatatt gaagctatac cactgtgtga acattgagaa 420
 attgatcacc att 433

<210> 13054
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 13054
 ctagagctcg caaaagagac gccagacgaa ccttattctc tgatctggag ctcatgtctc 60
 acctcttgaa ggaattatgg ggactcggaa accgcagacg aagtctccaa aaagttatta 120
 tagttggaac ctcataaagc agacaatcat gtattgctgt caaacttgta tgctggatta 180

ggaaaacggg atgaggtgag aaaggtacgg ccagagaatga aagagaatgg ccttcataaa 240
gatgcacgct gctggaggat tgaaatagga cgaatggctt ataaatatct tgctagagac 300
ggatcacttt cagaatcaaa aaagattcac cagacctgga ctttaattgga gaaaa 355

<210> 13055
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13055

agctantcac catgttgaaa atgtgttcta ttattttctct ctgagacacc attgtgatgt 60
ggtgcatatg cagtagtaag ctctcttcta atgccatgtt ctgcacaaaa aatttcaaatt 120
tctttggagc aatattcatc acctcgatct gtgcgaagag tctttataga cttttctgct 180
tcattttcaa cacttgcttt gaagctctta aatgtacaaa acgcttctga tttttcctgt 240
ataaaataac cccacttgt tcttgaaaaa tcatcaatga agcaaattaa ctatcttcta 300
cctccattag aatatgggtt tattgcacca caaatattag aatgcaccaa atccaagaca 360
tcgtttgcct ctcatgactt ctctttggga aattgagatc gat 403

<210> 13056
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13056

agcttcaata cagtgcact agtgttgcac caaaggagct gacaaagtct tttggatggg 60
atacatatga ttctttcatg cagcatgatg ttcaagaact aaatcgggtt ctctgtgaaa 120
aacttgaaga caaaatgaag gtatggcaag agatttggaa tgtttgttca tgattcttct 180
tgatgagtga tcataccaaa tggttgttgt atgttatttt tcttcaggaa actgttgttg 240
agggaactat acaaaagtta tttgaaggac accatatgaa ttacattgaa tgcacatgat 300
tagactacaa atcaactaga aaggagtcna tttatggtag ttcccttatng catttgaatt 360
caattatatg tttagttctt ctttgttatg taattctaatt ttagttnttg catatgcatg 420
ttagatcttc a 431

<210> 13057
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 13057

agctagaaaa caagatggtg agagtgtttt acagttatca caagctcatt ttgaagtcct 60
 ctctttcaaa aaatagaaca tttaaaattg agattgatgt gatagaacag aagtgtttta 120
 ctactacagt aaacagtga gagcggttat ggcattacag atttggccat ttaaatttta 180
 gagatctgat taagctaaac tcaagagaaa tgggtgtggg tttgcctcag atcaagcctc 240
 ctagtgaagt atgtgatggt ttgttacaat gtacgcaatc 280

<210> 13058
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13058

tanaaccctt tggtcattac taaacaagct gaaattaatc acaatcacia gcaaggtatc 60
 caaactacat gcaagagata agaatgaaaa atagaaaagg gaaagaaaag atggggtgcc 120
 ttccagtaag cgctctttta acgtcactag cttgacgcat catcctatta tctaggatca 180
 aagcgtagaa cagtgttcaa tctttccata gctccaccat gatattcctt caacctttgt 240
 ctgttcacta cccatgtcct gtcaggatct ttagattgag gatcacaaag ctccactact 300
 ccatatggtc ggactttctt gatggtaa at ggtctagacc actttgattt tatctttcca 360
 gggaacaatt taagtcttga gttgaaaaga aacacctggt gtccctggctg gatgtccttc 420
 ttgagncaaa ttttgtcatg atactttt 448

<210> 13059
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13059

agcttagcct aagtctacat atnttcaaaa tattaagana gtcgaagctt agcgagctat 60

ggtgtgctta gctcagtctc atcagaatga cactcatgct tagcgcacag ggctgttaga 120
 caaatgacct cagttatctt aagaaggggg gggtgaatta agatacaaag actattccct 180
 aattaaaatt tcaactctctc tttttgggtt aacaatgcac ccttaacatg aattactcaa 240
 aagataattc aaaataaact tcttcaaagc aaaagataaa tagcaataaa taaaagaagt 300
 ttaaggaag agagaaatgc aaacttgatt tatactgggt cagccacttt ccgtgactac 360
 gtcc 364

<210> 13060
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 13060

tgccgcaaca tctgaattcg atgtatggaa aatccccgtt cgggtgtgagt tggaacatgg 60
 acgctagagt ggcaagggca tcaaccacct gattctcctc tctaggaatg tgatgaaagg 120
 atatgtcatc gaagaattct atcaactttc tgatgtaggc ctgataaggt atcaacttat 180
 gatccctagt ctcccattct cctctcaact agtggattac acgggctgag tccccatata 240
 ccttgagcaa cttgatcttg aagtcaattg ccgcttggtt cccaagggcg cacacctcgt 300
 agttagctat gtttttgggtg cagtcaaaac ccaacctagc tatgaaagat atatattgct 360
 cgtcggggga aaccaaatac gccccaagtc catggcctag tgcattagat gcgtcgtcaa 420
 accatataat ccatttgtcc ctatcttca 449

<210> 13061
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 13061

agcttatgct gcaaataatta acaatagatt tcctcaacct tatcagcaaa atcaaccaca 60
 gcagagcaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcacccata 120
 tcttagatgg tccaaccctc agcaacaaca acaacagctt gctccttctt ttctaaatgc 180
 tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aacccagaa 240
 acagccaaca gttgaggccc ctccacaacc ttcctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaaccaatc 360
agatgggac 369

<210> 13062
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13062

agctatgang gttaangttt cacttattgt tacgtgctca tgcaacaatt gttagccgtg 60
gctatacgag acatcttgcc aaacaaagtc acgttcacca taactcgcgt gtgctttttc 120
ttccatgcta taagtagcaa agcgattgat ccagtaatgt ctgatgagat ggaaaatgag 180
gccgtaatta tactggccca gttggagatg tattttcccc tgctttctat gacatcatga 240
ttcacttgaa tgcgcatctg gtcagagaaa tcaaagtct 279

<210> 13063
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13063

tcttagtctc acctgatgaa ttcgtggcta cttcatgcac tcctctattg acaataacat 60
cacttctggc actaaattgc tgggagtttg aagccatctt ctcaattaaa tatctggctt 120
cagcaggggt catgtctcct agggctccac cactggcagc atctatcata cttctctcca 180
tggtgctgag cccttcataa aaatattgga gaaaaagctg ctctgaaatc tggtggtgag 240
ggcaactggc acataatttt ttaaattctt cccagtattc atataggctc tctccactga 300
gttgctaat acctgaaata tcctttttga tggctcgtggc cctggaagca tggaaaatgt 360
tntttaagaa tactctcttg tggatcatccc aactcgtgat ggaccttata gcaaggtaat 420
atagccagtc ctttgccact ccttgtaaag aatg 454

<210> 13064
<211> 415
<212> DNA
<213> Glycine max

<400> 13064

agcttcaaga ataatggcct catcaaacta tttatTTTTct gaagggaatt caataaatag 60

gcctcctatt ttcaatggag tgggttacca ttactggaaa acccgatatgc aaatTTTTat 120

agaggcaata tatttAAatg tttgggatgc aatagaagta gggccctata ttcccactat 180

ggtggcagga agtaaaacca tagaaaagcc tatggaagaa tggagtgaag aagaaaagag 240

attagtcaa tacaacctaa aagccaaaag tataattaca tctgccttag gaatggatga 300

gtactttagg gtatcaaatt gtaaaagtgc aaaagaaatg tgggataccc tacaagtaac 360

acgtgagggc acataagatg tgaaaaggtc caggatacat acattaactc atgag 415

<210> 13065

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13065

agctttcttg gaagaaatgc atcagcagtt tctcgTccct aaagtactcc cccattttcc 60

agcaatacat attcaagtga tttttggggc aagtgggtccc cttgtattta tcaaaatctg 120

gtaccttgaa ctttggaggg atgacaacat cagctaccaa acacaattct atcatgtcgg 180

tgaaagggta accaccaaac ctttgacaa ctattaatct ctctccaatg aaatcaagtt 240

tctctcttcc ttccattgcc ggaggcggcc cccctactga gaaatgcagc agttgcagag 300

ggcgggtgta aggagctccc aaggtattgg gttgaggcat agcattaaat gccagtcctc 360

tancagtga cgtgggatat gggT 384

<210> 13066

<211> 337

<212> DNA

<213> Glycine max

<400> 13066

agctaaacaa aaggcatgcg aagtgagtgt aatttctaga gaaattccct tatgttatca 60

aacatacaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaaagttt gaaaagcatg tatgaaaatg 180

atcaaacttt tggagaaatt tttaaaaatt gtgaaatttt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctacaagaa 300
 atttgcttgt ttgtgaagca catgaaggag gtttaaat 337

<210> 13067
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 13067

tcaacattca atttcgagcg tctcgatata tgacgggact cattcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt tgctcagagc atcaacattc aatttcgagc gtctcgatat 120
 attacgggac tcaatcaaac atccgagtaa aaagttattg tcgtttgaat ttgcatagag 180
 ggtcaacatt caatttcgag cgtctcgta tattacggga ctcaatcaga catccgagta 240
 aaaagatatt gtcgtttgaa ttggctgaga gtcacaacat tcaatttcga gcgtctcgat 300
 atatgacggg actcaatcag acatccgagt aaaaagatat tgcgtttga ataggctgag 360
 agcttcaaca ttcaatttcg agcgtctcga tata 394

<210> 13068
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13068

ctttatgatc tgtgtgcaca ataaattctc tgcccaatat ataatgtctc cagtgtctgaa 60
 taaaagcac aaggggccatc aattccttct catagacaga ttttgccaga ttcccattag 120
 ataaagcttt actgaagaaa gcaatagggt gtctctgctg cattagaaca acacctatac 180
 ctctaccagc cgcatcacac tcaacttcaa aaggtaaadc aaaatttgga agaattagca 240
 cagggggaga agtcatgatc ctcttcatct cctcaaaggc cttgacagct tctattcccc 300
 aagaaanatt gtctttctta gtcaattcgg tgagagggtt tgctatttta ccataatccc 360
 tgataaactt tctataata 379

<210> 13069
 <211> 436
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13069

tcgacgaggt actgaggaat gcttggatgt ttcttgcccta cggttacttc atagggagtg 60
agccctattg ctaagtgaac ggatgtgtta tacgaccact ctgcccacac gaggaacttg 120
cccatgatg aaggctgttg atgaatgaag gacctgaggt attgttagat gaccctgttc 180
agtacttcgg tctgtccgtc cgattggggg tgatacgtg agctcatgcg gagcttcgtg 240
cctgaaagtc taaataactc ttgccaaaaa caacttacga ataagggatc atgggtccaat 300
accaaactgt gtggcatgcc atggattttc cccacgatat ccataaagag gtgtgctacg 360
gtggaagcta tgtatttgga ttgaagcatg tcgaagtgga cccctctnga aaaatgggtca 420
acaaccacca agatga 436

<210> 13070

<211> 336

<212> DNA

<213> Glycine max

<400> 13070

agctatatatt ggcttccaag atttaatcta cattgtgaga atgggggtata agtactaaga 60
gacaatgctc ctgatgcaca aaaggctaga ttcaaagaat taaagaagca ggattgcaaa 120
gcattgggtga ttcttcatca gtgtgttgat gataccact ttgagaagat cgcagggtgca 180
aatattgcga aagaagcctg tgacacgttg aacaaagctt atgctgggtgc agataaagtc 240
aagaaagtgc gcttacaaac cctgaagaga cagtttgaac tgttgcagat ggaagagagt 300
gaacgtatta gagatttctt cggtagatta caagtt 336

<210> 13071

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13071

cgctaacca tggaagctcc taatatatcc cacactntnn tgggtggggc attcttggat 60
agccttgatt ttctcagggt ccacttgna cccatttta ccaactacaa accctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcgtagaggg tgtttttcct 180
aaggactaaa agaactagcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaaggtgc ttggtgtatt agtgagccca anagcatcac taaccatcat 360
agaaactaaa c 371

<210> 13072
<211> 486
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13072

tgagttcgat ggccncaatg acatctattc cccacatgga ataaggccaa ggggicggaca 60
taacattcat aggatgtggt ggaacattga cattgtccgc gtatgcctga catttatgac 120
atttccttac atgggcacaa ctatcgcttt ccatagtaag ccagtaataa ccgactctaa 180
ggatcttcct ggccatagca tgcccattgg catgtgtccc acatgaaccc acgtggattt 240
cctcaatcat gaagttcgcc tctttggcat ctacgcacgc taggaggggc atgtcgtggt 300
ttcgtttgta caggatggta ccaactcaca agaaaccagt agccaatctc cttaacgttc 360
ttttgtcatt gtcagaaatc cccggtggat attctttggt ctcaacatat tgtttgatgt 420
cgaagtacca tggtttccca tcccactcct cctctatcac acaataatgt gctggctggc 480
cttgag 486

<210> 13073
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13073

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cattatgtga caaatttgca ctataacat tcatgacgtt ggtgtatgta taaatcagct 120
tagaggaagc agtggtgaga atattatcat tggttgtaac atgagtattt tctagtgcag 180
aagaaagggg tgacagatac caattgtgtt tgggtggagaa tagtttgggc atggatgatg 240

agtcgatgtg gatgatataa ttctcagatt gagccattct ggagacaagg tgatggacta 300
 tgatggagaa gcaaagacat agacgaatca tggtagccat gatttgatga atgttatatc 360
 caatgtggac tgctaattgg cntatcaga caccaatata taactggtgt ttaaatagtg 420
 gataactact gaatgggaaa tgataatcgg aaca 454

<210> 13074
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13074

cgatgcacct ttcttctgtt cttctgtaat gtagnatgaat ttcttccgga aaggacttaa 60
 atcactagag gctgttgagc cacatgttat gatgattgct gtgcgacaac atattgatta 120
 ccaattcatc ggccatagagg atgatggtgg tgaaagtgat aataatgatg atggaaatga 180
 ttttgacatc attgaagggtg gtgagttgag ttttgactac agagcaaata atcaagggcc 240
 atatattgtc tcacatcacc gaacacagca gaggttggca atttgtatta ctcacaactt 300
 gaatggtttt taaagcctgc gtgcatattg aactttattc ttaatgcttg tttgcttttt 360
 tattttaaatt attgcacaag cctgtcacag tt 392

<210> 13075
 <211> 338
 <212> DNA
 <213> Glycine max
 <400> 13075

accctcagct ttaatggaag tcaagagcat gatattgcgc cgattccggt gactggtgag 60
 caggtatatc agcgggttca acacctgaat actgtatttg ggaagaccca caataatgtt 120
 atttgtcaga cttgcatatg gaagaagagg tccattttct ctgatcttcc gtactggtgt 180
 gatcttgatg ttagacattg tattgatgtt atgcatgtgg agaaaaatgt ttgtgacagt 240
 gtgattgtga cattccttaa aattcaatgc acgaccaatg atggctcgaa taccatcaa 300
 gatctatctg atatgggtat acgatcacag ttgcttcc 338

<210> 13076
 <211> 484

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13076

tctccattaa tctagtgttt gcaacattgg acaacttccg ccatcaatga ttagagaaca 60
 aacctttcca tgcaccaaac atctagaatg aaaaatgttt tccctttgtg catcatctct 120
 atctttgctc aagcttccca tgagtctcct taccattaaa tgatctcctt cttccggtgg 180
 aagaaaacca tcatcctcca cttcactaga ggaactatga gaacttttag atggctcact 240
 gtccacctct tcattctcca acacaatcat ggtccttggt gaaaaaagat tacgaaactc 300
 aataaaccaa gaggggggtg aattggttnt caaacaaaac cgtacttaat aaaacaaagt 360
 tacggaaaaa naaacttttc taaatggatc gtatcacana aagaatatga atcgaatgta 420
 ttcaatactt aatcaatcct tccttacaca tgagccttca ttaacttcct ttctttcaaa 480
 tcat 484

<210> 13077
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 13077

acagaagctc acgagaaact acaatgggtca taacatgtca cacgaaagtc cgattcaggt 60
 gcataatata tcgagacgct cgaaatagaa catcggaagc tctctagaaa ttccaatggt 120
 cataactttt cacacggaag tcctattcag ggcataata tatcgagaag ctggatattg 180
 aacaacgaaa gctctcgaga aactcaaag gtcataactt gtcacacgga cattcgattc 240
 atgcgcataa tatatcgaga cgctcgaaat tgaacaacgt atgggtgtcga gaaattcaaa 300
 tggtcataac ttgttacacg gaagtccgat tcttgcgcat aatatattca gaagcttgaa 360
 atagaacaac ggaagctctt gagaaactcc aatgtgtata acttgtcaca cggaagtcca 420
 ttcaagcgca ttatata 437

<210> 13078
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13078

ggatagtata aagaagaaag ataatataga acgtcatcca agaaacaagg ttgtggcgag 60
 agtagctcct gttgacttgg aatggatgac taagattcgg gacttcttgg agatatgctc 120
 actcccaaaa aatccaacaa cgacaagaaa tatcaagaga tatgccatct attatgtgat 180
 agagggagga gatctgtacg aaaaaggctt cacggccacc ctgttgaagt gtttgactta 240
 cgaatatcct aaatacgtaa tgaatgaaat gcataaaggg atatgtggaa tacaattagg 300
 atctcgatca atgacaactc aagttcttag aattgggtac tattggccaa caatgagaaa 360
 aaactatgta gagtatgtga aagaaagcag agaatgccaa anatttggca acacttatca 420
 tctgcctatt aaagaatngc acaacatagt ggcgcatgac c 461

<210> 13079
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13079

cgcttctaca atctccnnc ttttgatgat gacaactctg aaatcaagaa acacatacac 60
 acactttntc ctagtcgac actcacttaa tttccattc tcccccttg tttttaatt 120
 tatgcttcac ttgaaattaa gttaattact tatgtgagtt cttgatttaa ttcctatttc 180
 tctccccctt tggcatcaac aaaaagccca agtgcgtaac aagtatatga caatcatata 240
 ctattaatca ttcacaagac atacattgaa gaatataaac caatcatgaa gcaagaaaca 300
 tgaatagatc aaatataana accacatagt catataacat aattcataat tgttcaatca 360
 aaccatgcaa ataaagaaat actaaattat ccaaaatgtc ataatatagc caaatacacg 420
 actagaaaac aaagtactag taatattaaa aataatagaa aacttagatg atgggtggcg 480
 cgat 484

<210> 13080
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13080

tctgtccctg aganactggt tcccagaaga caacagggag tgaagattgc tgaataccct 60
 agccttgcaa caagtcctat ggaagtagac acggagatgg acaagaaaat ccgcagtatg 120
 gtgagtagca ttttgaaaga agcctctgtg cctgaagctg atgaagatgt tccaacatct 180
 tccaccccgga atgtttctat gcctgatggt gagaaagatg ttccaacatc ttccggccca 240
 natgatgaag tactctcttc ccccagcaaa gagagatcaa cagaggaaga tgatcaagcc 300
 gcagaggaga cccctgcacc aagggcacca gaacctgctc caggtgacct cattgactta 360
 gaagaagtcg aatctgatga agaaccca 388

<210> 13081
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13081

tcngttgttc aatntcgagc atctcgatat gtgatgttcc tgtatcggac ctccgtgtga 60
 taacttatga ccatntaat ttctcgagag cttccgttgt tgaatttcga gcgtctcgat 120
 atattatgcg cctgaatcgg acatccgtgt gaagggttat gaccatttca atttcacgag 180
 agcttccgtt gttcaatttc gagcgtctcg atatgtgatg ttctgaatc ggacctccgt 240
 gtgataactt atgaccattn gaatttctcg agagcttccg ttgtntcaat tcgagcatct 300
 caatatatga tgtgcctgaa tcggacatcc gagtgaaaag ttatgacaat ttcaatttct 360
 cgagagcttc cgtgggtcaa ttccggcgct tccatatgtg atgtgcttga atctgaca 418

<210> 13082
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13082

agcnttcttt canattattg cgcanaaatc agtctgtcca atgggacgat gattgtcaaa 60
 tggcatttga aaggattaaa cgggtgttga tgaatcctcc tgtgttcatg ccaccggtgc 120
 ccagaagacc tcttattcga tacatgacag tattagatga gtcgatgggg tatgtgttgg 180
 gacaacacga caaatccgga aaaagggaac gagccatcta ttacttgagc aagaagttca 240

cagcgtgcga gatgaactac tctttgctag agaggacgtg tngtgccatg gtgtgggcaa 300
 ctcaccgtnt gaggcagtat atgctgagtt acattacttg gttggtgtcc anaatgaatc 360
 atgtcaagtg catctttgaa aagcccgtc tcact 395

<210> 13083
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13083

gctggaatca tttatcctat ctctgacaac caatgggtga gtcccgcca ggtagtcccg 60
 aaaaagactg gcctcacagt gatcagaaat gagaaggagc agctgattcc tactcgggtg 120
 cagaacagtt ggagagtctg cattgactat aggaggctga accaggttac caaaaaggac 180
 cattttcccc tgccattcat tgaccagatg cttgaacgcc tggcaggtaa atcccactac 240
 tgtttccttg atgggttttc tgggttatatg caaattacta ttgctcctga ggatcaggan 300
 aagaccacat tcacctgccc cttcagcact tttgcctata ggaggatgcc tttcggcctg 360
 tgcaatgccc ctggtacctt ccaacggtgc atgattagta ttttcagt 408

<210> 13084
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 13084

ttcaaatgtg ggaggatcta tttctgaagg ccaaacacgg aggacttgat gtcatacaca 60
 cttatgtctt ctgggatgtc catgaacctt ctctggcaa tgtactactc cggatcctcc 120
 tttctttcca tctatctacc tcattttaaa agaaaaataa taatattttt ttggctcttt 180
 gtgatttttc tgatgctggg tcgcagtaca attttgaacg aaggatgat ctagcacggt 240
 tcattaagac ggtgcagaag gtggggcttt atgctgatct tcggattgga cttatgtat 300
 gcgcttattg gaactttgcy tacattttgc ttccataatc catatctctc tctctgtgtt 360
 tgtttgagcy cgcgtgtaat atgtgagaat gttggattac aatccattct taacg 415

<210> 13085

<211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13085

gagtttccta atctcttatt agcactcgct atgatgatgt catcctcata caagagaagg 60
 taaagaacac acactttcct ttttttcagg atgtatacat agttgtcata tatgtttcta 120
 atgaagccat atctgatcaa gaactcatca aatttcatat accacattcg agggctttac 180
 tttagtccat acaagaattt tcagcaagca caccttggtc tccccttctt caaaaccttc 240
 aggctgggtc atgtaaattg tttccttaag atttccatgg tgaaaagctg ttttaacatc 300
 cagttgttca agttccaaat tgtactgatt taccacacca agtatgattc taattgaaca 360
 atgcttcata aatgtgaana aatctcattg taatcaattc cttccaccta tgta 414

<210> 13086
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13086

agcttacttg ctgagattcc attatgggaa agatctcgat ccagctgagt tgatccattg 60
 tgatagtacc gcggctattg caaaatttga gaaccattat tacaatggta aaaaacgaca 120
 gatacgttgt aagcacagca ctgtagaga attactctca acaggagctg ttagagtgga 180
 tcacgtacgc actgatgata gtttagcaga ttctttgacg aaaggattag ctagagagaa 240
 agtccataac acttctagaa gaatgggact attgccctta ctgcgatgat cattcatgat 300
 ggtaacccaa cctanatgac tggagatccc aagaactagg ttcaatgggt aataacaagt 360
 tatgaagtga tatgagatga acatgtnngt ataagtga aa gcagcatgat tcctgaagta 420
 acaagaggat gagttatgaa aaaaaaatc ataattctta atgagatcta tactctatgt 480
 tgagtggagt acct 494

<210> 13087
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13087

agcttcaacg cagttgggca tgaagtggaa ctattcttat cattgatctc catgaaggct 60
tcaatcgggt ggtgtntagt aatacggagg attataatTT cgtgtttttt gaaggaccgt 120
ggatgtttgt gaaccactac ctcatattc anagatggag atcattcttc ccaatgcatg 180
cagaagagac gaagaagata gcggtatggg tcaagattca gtgtctcctt attgaattat 240
ataatgatgt gttctcgtca agaattagga tgagtttagg caagtttctc aagtaggata 300
aattaacatc aatccactcc aagggaaaat ttgcaagaat gtgtgtggac ctagattgga 360
taaacccttg anatcttata tntacgtgag agggtttaag ttgaacctgg agtatg 416

<210> 13088
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13088

gcttaatggc ttctcgacat anactattat atcttacagt gagattntca atgtcaattg 60
gatctgttag tttttcatca gttccaatat cagaatttgc attccttgtc catcgtttca 120
aaatgtagtg cgatggaagg gtaagaacat ttgtaacagt gaagacagtc aatatatgtc 180
aacaagaac gcctgagtat tcaaacatct ggcagctgca attcaccttc atttcagaga 240
tatttaatgt gaccatgtat gccttgatg catgtacata ttntgcaacc ctgtatntac 300
tgatcacacc atcatcctca acattatnng cagtataagc aaaagtttcc accagttcct 360
cctgannatt tgcanaaatc ttcttagtgt acatatttgc tgcttttgtg 410

<210> 13089
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13089

ntagaaggat cactatttct ccgtgagagt gtccacatg ccacaaagcc tcctaggcct 60
acaccaatta ttgttgata ggtatcatca tatttatgct aagaaaatca tgcacatcag 120
aaagaataag ttaaaatagt ataccaattg gtacaatagc accatctgag ccaccacaaa 180

gcatcaagtc ctgcaattac ttacatTTTT aatgttttca ataaaataac tatataatta 240
 cactaaactt gttttaagaa ataaaagatt ggtaaaatat gagaaatcta ccatctaata 300
 agcaaagct gaagtgagat acttacagct tcacctctaa tgatatgggt tgcagcattc 360
 aatatacaaa aattactagt agcacagct gtagagattg aataattagg gcccatccac 420
 ccctaaagtt tcatatg 437

<210> 13090
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13090

ctgcagcctt ccctttttta aatatatggt tagttgtcct ttatatataa aagattcatt 60
 aatgtagttt actactttgt tagatataga attatattga attaaaagt aaattaaaga 120
 gttaaaatgt gtatattact gaataaagtt aaaagagaat tcagagaata atgaagaaag 180
 aagagcgaga gaagacataa catgttacat gtgtacatcg atcatagacc acaaaatacc 240
 aattatatga atttaaann taaattttct taggtactct ggggtganaaa tataaatctt 300
 agataataat ctaaaaacga catatatnt agatatgann aaattaatta agcctaatat 360
 tagcatagat gata 374

<210> 13091
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13091

agcttctata gaagggtcgt tcctaatttc tctacaattg catcacctt caatgagctg 60
 gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcctt tgctttgctc 120
 anagaanagc ttactaaggc acctgttcta gctcttctg acttttctaa aacttttgag 180
 ctagaatatg atgcctctgg agtngaggt ggagctgtat tgttacaagg tgggcaccct 240
 atngcttatt ntagtgaana aattcattgt gccaccctca actacccac ctatgataaa 300
 gagctntatg ccttaataag agccctccan acttgggagc attatccttg tttccaangg 360

gaattgtcat tcatagtgat catcantcac ttaagt 396

<210> 13092
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13092

accggatcct taagtcaccg cggctgcagc ttataaacta aaagcatgaa cacttcnttt 60
 tactcctctt gaagtactnt ntaagaaagt atattttaag agatataatt tcttatttct 120
 gaaaaataaa ctcaactcaa ttaaatttaa ttaaataaca acttttttaa agaaaataaa 180
 tattaattaa agaattagat taaattcaat cccattcgaa tcacttaaga ttattggaag 240
 atttaaagta ttttccattg ttatcccacc acgacaaatc aacgggtggtc atcacgaatg 300
 tggtatcttg ttgtggataa gtcacggta cacaaaatct agaacgattc ctgatagcat 360
 gtattataat aatatataca cgacaacaat gttcctaaca tgtaaagctt tctatataaa 420
 gatatgattg tcattataat aaggaatctt atatcttata at 462

<210> 13093
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13093

ntaccgctac anaagccggg gtttatcaat tgactgcntt cctcgaaaat ggcgattcga 60
 tgcaacaaac agtgacctat gtgccgaacg tcgcgaatgc tgaaatcacg ctggcagcct 120
 cgaaggatcc ggtgattgcc gacaataacg atctcacgac actaacagca acagtcgctg 180
 atacagaggg caatgcgata gccaaactg aggtaacatt tactctgccg gaagatgtga 240
 aggcgaactt cacgctgagc gatggcggtg aagtgattac tgatgctgaa ggcaaagcga 300
 aagtcacgct gaaaggtaca aaagcaggcg ctcatactgt tacagcatcg atgactggcg 360
 gtaagagtga gcagttggtg gtgaacttta ttgcggatac gctcact 407

<210> 13094
 <211> 493

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13094

agcttgtgct atcaagctat gacttanatc aatgacaact agatgcagaa tggttgctnt 60
 gaagttgatt gcaagaccat ggttgacact ttaatatgtt gtgctaaagg aatctctgat 120
 ttttatgtca ttntaaataa atgtagagca cttatttcat ctatcccaaa ctctagaaga 180
 tgctntgatt aggttgcatt ggatgtgccg catcacctaa caaagtcact ctcccaattc 240
 cccaagtgtt gatcatgcct ctgtcacata tatccctctg cagaatcatg tgctctagtg 300
 tttctgatat gagtgcacac acttcattgc accaattacc aaagagagat ccanaagcct 360
 cttcttcctt tggctaacat ctgaagcaac anagtactgg ttcaagccca agaaaacctt 420
 tgtaccttca gttcaatcac caaacagaa actntanata gtggaatagt tataagtata 480
 acattttcta aca 493

<210> 13095
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 13095

tggacagttc agcagaccac atgtttgtgg ttaggattct tccctcagga acccaatgag 60
 catatacatc cttcaatgtt tgaatggctt tttggccttc tgggggtctcc ctgcctccaa 120
 tgaggacacg gtccggattg aaaagatctt ggattgcagt tccctcagca aggaattcag 180
 ggtttgaaag gatttggaaac ttgattccct tgccattgtg agtcaaaatt ttctctatgg 240
 cctcagcagt tttcacaggg acagtggatt tctccaccac aatcttgtca ctcttgata 300
 catcagcaat catgcgtgct gcactctccc agtacgttaa atccgcggcc ttaccggctc 360
 caagaccgcy agtttttgtc ggggtgttga cagagacaaa cactatgtct gcctcataga 420
 catgtttctc aacatca 437

<210> 13096
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13096

agcttgtgcc aattgggtcca ttgttgagaa gttatggtga cacaattgca actgcaaaat 60
caatcggaca atactgggaa gaagatctct cttgtatgag ttggctcgac caacaacctc 120
atggttctgt cttgtatggt gcctttggta gtttcaactca ttntgatcaa aaccaattca 180
atgaactagc tcttggaatt gacctcacca atagaccttt tctttggggt gtgcgtcaag 240
acaataaaaag ggtataccct aatgaattct t 271

<210> 13097
<211> 397
<212> DNA
<213> Glycine max

<400> 13097

tgtgctatta actaattaga atcttacctg caccaattgc atatacattt ttcaagccac 60
ccatgacctc atgggtgaca aggtcactgt tgtcccaaac aataaaatgt ggttgctcgt 120
gaaactttgc aagagggttt ctccatttct catctccgca aattcgggca ttggcatact 180
ccttgttgta tatttctgag gcaatatttg gaccaccaag atacagtatg ttctccatag 240
gcactccagc tgtcaaagta tgcattgtaa agagttgaga atgaggaaaag ataaaaatag 300
atatactacc aaattaccag ctccattggg tcgttatcaa acaaattcta gataacaaat 360
agcagtacct agctggtgga ctatcagttt atatgga 397

<210> 13098
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13098

agcttcaaga aaaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60
agacctcaa tctttaatgg agagggttac cactactgga aaaccogaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaanaa 240
cctagagata gatggtctga agaggataga anacgagtac aatacaancc taaagccaaa 300

aacataataa catctgccct aggaatggat gaatatnta gagtttcana tngcaagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgtaaaga 420
tctanggata atgcactaac tcatgagtat gaat 454

<210> 13099
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13099

agctnntcac acggatttcg attcggngac atatcttatac tagacgctca aaatttaaca 60
acggaagctc tcgagaaatt tgaatggctc taacatttca cacggatgct cgattcgagg 120
acataattca tctagacgct cgaaactgtt caacggaagc tctcgagaaa ttcgaatggc 180
cataacattt cactcggatg tttgattcag ggacataact catctagacg ctcaaaattt 240
aacaacggaa gctgtcgaga aattcgaatg gtcataagtt ttaacacgga tgttcgattc 300
gcgacataat atatcaagac gctcgaatat gaacagcgga agctctcgag aaattcgaat 360
ggtcataact nttcacacgg atgttcgatt cggggacata actcatctag acgctcaaaa 420
ttgaacaacg gaagctctcg agaaatctaa tgtcataact ttcaca 466

<210> 13100
<211> 366
<212> DNA
<213> Glycine max
<400> 13100

gtctcacgat tgtcacgtgc tcatgcatct tttgttagtc gtggctatac gagacatctt 60
gccaaacaaa gtcaagtttag ccataactca cctgtgcttt ttcttccatg ctatatgtag 120
caaagtcatt gatccctgtc agtatgatga gttggaaaat gacgccgcaa ttatatagtg 180
tcagttggag atgtatttcc cccctgcttt ctatgacatc atgattcact tgattgagca 240
tctggtcata caaatcaaat gctgtgggtcc tgtttatcta tagtggatgt acccggttaa 300
gcgatacatg aagattctat aaggggttac atagaatcta tatcatccag aagcatctat 360
tgttga 366

<210> 13101
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13101

agcttctcga tatattatgc acatgaatcg gactcttttag tgacaagtta tgggccattg 60
 aatgtttcga gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120
 cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180
 tttgagcgtc tcgatatatt atgcgcctga gtcggacctt cgagtggcga gttatgaaca 240
 tctgaatttc tcgagagctt ccgttgctca atttcgaccg tttcgatata ttatactcct 300
 gaatcggacc tccgagtga cagttatgac catttgaatn tctcgagatc ttccgttggt 360
 caatttcgag cgtctctata tgtgat 386

<210> 13102
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 13102

ataactcgga tgtccgattc aggcgcataa tatattgttt cacttgatat tgaataacag 60
 aagctctcga gaaattcgaa tggtcataac ttttcacacg gatgtccgat tcgggcgcat 120
 aatatgtcga gacgctcgaa attgaacaac ggaagctctc gagaaattct aatggtcata 180
 acttttcact cggaggaccg attcaggcgc ataatatatc gagacgctcg aaattgaaca 240
 acggaagctc tcgagaaatt caaatggtca taacttttaa ctcagaggtc cgattcaggc 300
 gcataatata tcgagacgct cgaaatggaa catcgaaagc tctctagaaa ttcaaagggt 360
 cataactttt cacttgg 377

<210> 13103
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13103

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gattttctcaa gcggtatctt ttctcaattt cgagcgtctc gatataattat gcacctgaat 120
 ctgacctccg agagaaaagt tatgaccatt cgaattgctc aagagcttcc attgttcaat 180
 ttcgagcgtg tcgatataatt atgcgcctga atcggacctc cgagttacaa gttatgacct 240
 tctaataatct cgatagctct ctcgttttaa ttctgaacgt ctcgacatat tatgcgcccc 300
 aatcggacat ccgtgtgaaa agtatgacca t 331

<210> 13104
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13104

ntganaatat aatatcttga ttcttaaaat acccattttc tctccccctt tggcaacata 60
 aaaaaggcca aagtgcataa aataaaacat acataaatga ttctaaaaca tacataaagc 120
 ataatttgaa tatcaccaaa tttaaataca taccacttgt catatatcat caaaataact 180
 aagtctaagc ataaaacata aacatataag tgcaaaataa aaaaaaaaca tcaagttcag 240
 tcataattaa ctaagtacca aatacttaaa acataaccaa tgttttagag aataatgtca 300
 taaaacatag ccaaatacat ggcttaaact taaaatataa taataatcta aatctatgaa 360
 gatggtggtg gaagggtgaa gcaatcaatc aagtaattca aacatatcaa acaagaatca 420
 ca 422

<210> 13105
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13105

nnagcttggtt gaaatataat caatgcaaga cctcttgaga gtattagtga acatgtcctc 60
 cagttggtca ctagagttga caaactcaat ggtgattntt cctgagagca ctttctctct 120
 cacaaaatga cagtcttcta ctgtgttttag tccattcatg gaagaccgga ttagatácaa 180
 tgtggagaac ggcttgatta tcgcanataa gattggtggc ttgagtgtct ccaaattgga 240
 actgctggag aagtntcctt agccatgtaa ttctacttgt agttgcaggc atggcacggt 300

attcagcttc agcactggat ctagtgacta tattttgttt cttgcttccn catgggatca 360
aatntcctca aataagaaca caataaccaa tcatggactt cgtggctgat ggtgagtctg 420
cctaatacagc atcagagtan aacaaatgat ct 452

<210> 13106
<211> 464
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13106

agcttgggcc cacactctgt tcagctctct ctaatctaga ggtaaactta ggatctctat 60
cagatactat gctagatggc acaccatgta acctgacaac ctcacttata tacaagggtgg 120
tcaacttctc caaggaaaat ctgatattaa tgggaatgaa gtgagcagac ttagtcaatc 180
tgtcaacaat aaccagata gaatctaaac ctctaggggt tctaggtagt cctaccacaa 240
aatccatgga aatactgtcc cacttccact gnggtatctc tatgggttgt aacttccttg 300
aaggctctctg atattctatc ttagccttct gacagactan gcatgcatac acaaactcac 360
taacctctct cttcatgttg ggccaccaa acgtogtctt aaatcatgat acatcttggt 420
agcaccagga tggatgctca nantactcct atgtccttcc tcta 464

<210> 13107
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13107

agctttanat tgaataacgg aagctatcta tatattcata ttgtcataac tagtcacacg 60
gaagtccgat tcaggcgagt aatatatcga gaagcttgaa attgaacaac gaatactctc 120
gagaaatgta aatgggtcatc ataacttgtc acacggaagt ccgattcagg cgcatactat 180
atcgagacgc tcgaaatcta accacggacg ctctcgagaa atgcaaattg tcataacttt 240
tagcacgaga gcccgactca attgcataat atatcgagac actcgaaatt gaacaccgaa 300
agctctcgag aaattcacat gatcataact tcttacacgt gagtcagatg cacacctata 360
atatatcgag atgctc 376

<210> 13108
 <211> 371
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13108

ntcactcgga ggccccgattc aggcgcataa tatatcgata cgctcgaaat tgaacaacgg 60
 aagctatcga gaaattcaaa tggtaataac ttcgaaactcg gaggtcctat taagggtcat 120
 aatatatcta gacgctcaaa attttacaat ggaagctctt tggctataca aatgggcata 180
 acttttcaact cgaagggtccg attaaggcgc ataatatatc gagacgctca aaattgaaca 240
 atggaagctc ttgagcaatt caaatgggtca taacttgtca ctcgagggtg cgattcaggc 300
 gcataatata tcgtgacgct cgaaattgaa gaatggaagc tcttgagcaa ttaaatggga 360
 taacttgtac t 371

<210> 13109
 <211> 375
 <212> DNA
 <213> Glycine max

 <400> 13109

agccttgatg taacatttgg agaggttaat gattcaactt tatgatgcgc tccatgagag 60
 gttggatcag atggagaata gagaccatat gaattgctca agagcttcca ttgttcaatt 120
 tcgagcgtct agatatataa tgcgcctcaa tcggacctcc gagataaaag ttatgaccat 180
 ttgaaatgct caagagcttc cattgttcaa tttcgagcgt cacgatatat tatgcacctg 240
 aatcggacct gcgagtgaca acttatgacc atttgaattg ctcaagagct tccattgttc 300
 aattttgagc gtcacgatat attatgcacc tgaatcggac ctgcgagtga acacttatga 360
 ccatttgaat tgctc 375

<210> 13110
 <211> 320
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13110

ntacccttca cttgcaataa ccacttctca taacaacagc acacactctt ctgctagtgt 60
ccacaacaat ctcccttagtc caaaagaaat tcataatact gttgtatcta gttcttctaa 120
actttggcat caaagactat gccatcctaa caaggatgca ctatcaattg tactaaataa 180
atgtaatata ccctttatca ataaaactag cagtgatctt tgtaattctt gctctatagc 240
caaatctcac aaactaccct cttctccctc ttctactgtt tatactgcac ctcttgaatt 300
agtattcttt gatgtttggg 320

<210> 13111
<211> 354
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13111

agctgaatct gacagctgca tggaatgtct tttgttctct tctatggatg gagcaatgca 60
ggatttcacg tgagcatgta tatgccatct ggaccagtgg agactgttat gccatatctc 120
ctaataaggg ctgaacagaa tagaggaatg ttggctgctt cgggctatga caggcaactg 180
atgaggtaac aaaaaaacat tttaattata ttaaccactt ttcattctgg catcatgcac 240
atgaatcaca cattgtgatg tgtatgcang aaggagtcgt gaatgagact aacagctgct 300
gtcttttaat tttctatact cttatgggac gagttaatga gatgtgataa tgtc 354

<210> 13112
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13112

gtttatccat gatatcctat gatggtgagc ttcttcttgt ttcattctct cattgttgtg 60
gcgtgtccaa tcattcttct tccttctcca ttctgctgcc attgaacttc aagaagcaaa 120
gaactccatt gatgaagaag atccaaggcc tacaagctcc acatggagtt acatcacatg 180
catatcatatc tctgagtgtg gctagtaaca acacacaaca aatgataatt tttgggagga 240
tgatccaaaa gtttttgctt catacaccta caacaactaa gtcatagtag agaagaagag 300
tcaaagtctt tcaagtatca tgtatttggc agtttttaag gtcaacatag ctgaatcttt 360

ntctgcaacc tttatatgtt tgattgaaga acgaaatgtt gaatactcta natcaactca 420
 ctttttaatt t 431

<210> 13113
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13113

tatcctcctc tanagcatgg aagcctaattg ccgagaagga ttttgatgcc atgtattata 60
 ttctttaagc taatagaatg tattttctat tttaaagaaa aagcttaaaa atcactaatt 120
 tattttcttt aatgcattag gattgttcat tttcatttct ttttccaact tttgtttcta 180
 taattaaag atgatagcaa ttcttctatt tgcagaaatg acttaaagt gaagggtgtca 240
 aacatcaaaa ttcagggtgt ggggcataaa tatatatgcc taagatcaca ttattatgta 300
 atcaattcta atttttataa taaagtatta tgtttcttta ttatatttac actatttgat 360
 aagatagcta ttttgataaa gtcctttata attgagatta tgaaaatgag aaacaagtct 420
 cttta 424

<210> 13114
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13114

tttcttctag aggaattcga caaggagtta tgctttctac ttacattttt gtattgtgca 60
 ttgagaggct tttccttctt atttctatag ctatggacca aggagtgtag cgtcatattc 120
 atcttagtag acatggccct cctataacat atttagcctt tgcatatgat gttattctat 180
 ttgtgaaggc tatcctagag catgtccatg tgatgaagaa tattctaaat ctattttgca 240
 agagctccag gtagaaatta agcttagaga aatctcgcat gttattttta aatattgtgg 300
 gaagaaatct caagcaacat ttgagtgatg ctatatggat gtagtggaca gaggacctan 360
 gcaattacct tgtgtcccaa attttcatag naggccctca tgaattacct tctagtttat 420
 tat 423

<210> 13115
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13115

ggatcttaag caccgctgct gcagctntca ctcggtgtcc attaggcgtc tttatatcga 60
 gacgctcgaa attgaacaac ggaagctctc gagaaatgga aatgatcatc actcttcaact 120
 cagatgtccg aatcagacgc ataatatatc gagacgctcg aaattgaact acggaagctc 180
 tcgagaaatt taaatgatca taaattctca ctcggatgtc caattgagga acatcagata 240
 tcgagacgct cgaaantgag caacggaacc tctcaggaga ttcaaattggg catagacttt 300
 cagacggaag ttcgattcaa gcacatcaca tatggagacg 340

<210> 13116
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13116

agcttcgaat tanatcatgt tatatactct ctgttctatt gatcctaate ctgaaaattg 60
 attcttgttt atatcatatt cggttgttat tttgcagagc ttctacctgg aatcagggaa 120
 gatgcagaag ctggaactct gcctgctaatt gttgttgagg gaattggaagg attctacaat 180
 atataactat aaaaatgcag taagtntata ttctatgtct tatattcata tacacacatg 240
 cattgtgata tccaaacttt tcataatata ggtggtgtgg gaacagatat tagtttactc 300
 ataattcact atgaagctga actcagaaaa tcacgtgttt caagtatgag aagattgcgt 360
 ctattggcgc tgtcatctat tcttgttcct ttactttntt catgtgttga ttcatagtgt 420
 ggtataata 429

<210> 13117
 <211> 387
 <212> DNA
 <213> Glycine max

 <400> 13117

tcagggtctgc ttaatataac acttttttagt ttactatttc ttaatttctt cctgctatta 60
 gtgcaaacca ttttgctatg ttttgtgttt ttttgttcgt gttgtggttt tgagtttgaa 120
 agttgaacgg ttgtgcttag ctttttgaac ttacgggtat gttgttggtt ttggatggca 180
 ctatatcaca tgaatgcatt tggtttgcaa cctgctgcgt ttgcaagggg ttgtgaagcg 240
 aatttaataa taaataaaac aatgttttct ctctggctct ctttgtatat ttattgaaaa 300
 actatacaat atttatagag tatcttcaat aatacttaaa aaattaagta ttatgataaa 360
 aaaattttta cataagtgc ttaatga 387

<210> 13118
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13118

agcttcatgg ccgaaaattc gaggatattc acgttgagcc tcgttcttaa attggtgccc 60
 catanaagaa tgaaaataag aatcatcaat aaacaatata tattagatat aacttatggt 120
 tgactaccaa atttacttgt taatgatatt taattagaca tattatataa ttatatgtat 180
 accttgccct gccagaact gagatcgggtg tggcagattg tggatgaagag gatcttgatt 240
 cgaacctcca ttntctgagg aggatgaaca agaacacggt ccaccacaaa gggctctcca 300
 tgaccatatg ccacggcagc ttcatacata taataataat aataataata ataataatat 360
 tgagctatga gaatgagaat ttgtgcgcat tctgtacgat agtatgatct gaatanataa 420
 tat 423

<210> 13119
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13119

tttcgagcgt ctgcaattat tactggactc aatcggactt ccgagtgaag agttattgtc 60
 gttagaatta gctgcgagct tcggttntaa atttcgagcg tctcgatata ttacgggact 120
 caatcggact tccgagtga atgttattgt cgttcgaatn tgctacgagc ttcggtnta 180

aatttcgagc gtctcgatat gttacgggac tcagtcggac ttccgagtga aatgttattg 240
 tcgttagcat ttgctgcgag cttcgggtttt aaaattcgag cgtcacgata tattacggga 300
 ctcaatcaga cttccgagtg aaatgttatt gtcgttagca tntgctgcga gcttcggtnt 360
 ataatttgag cgtcttatat atta 384

<210> 13120
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13120

agctatngaa ttagtattac ttgagatcat atatttggtg ttaaaaaatt ctttctcttt 60
 ctggtattat ntgtctttttt aaaataatgc attatttcat aaaaaagtta actacactag 120
 ctagtatgat aaaatcattc tccttgacta anatatcctc attaaaatag ttaanatcta 180
 attgtaaatt agtttaaata gtaatatctt tgccatagca cagtatacaa tataaattgt 240
 tatttttata taactaaatt cataataata aaaaaattaa tatgtaaatc atattaaaat 300
 taaagttcat aataaataaa tatttagaac atataaatta tagtttagat ctacaataaa 360
 taatttatat tgtagtacia gaatactntt aactatttga taatttcttt taaaaattaa 420
 aatatgtaca acaataaaga tgaaaatgat agattgaaag gtataataac ca 472

<210> 13121
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13121

aatgacacta acttgtgact cggatatctg attgagtcac ttcacatgc gaaacgctcg 60
 aaattgaata cagaagctct aagcaagtac acatgacaat aactcttgac tcagatatct 120
 gagtgagtca ttttataatt agagacgctc ataattgaat gctcgagctc tcaccaaatt 180
 caaatgacaa taactttata ctcagatgtc cgattgagtc ccgtaatata tcttgacgct 240
 caaaatggaa aacagaagct ctgagcaaat tcgagcgaaa gtaacttttg actcanatgt 300
 ccgatngagt catttaataa ttgaagacgc tcggaatatg aatatagaag ctctcacaaa 360

aatcatatga caataacttt atac

384

<210> 13122
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13122

gcttcatggt atgcccaaga tnttggntct ttactgttac ccattgttta ttactaaatt 60
ctggcatgaa ctattccaat taagtggaac aaaactgctc ataagttctg cgtactacct 120
gcaatccaat ggtcagacca aagttcttaa tcgagtcatt gagcaatacc ttcgtgcttt 180
tgttcacaac aagccatctt cttggggtaa atcttttatt tggatggat ggtcctacaa 240
taccttcaaa cgctcagctn taggtgcttc tccttatgaa atcacttacg ggaaaaaagc 300
cccttagcat tcccaatat cttacaggaa cctcaacaaa tgatgtagtt gacaacttct 360
taagtaatag ggaagccgct tttgcagagc tgaaaagaag cttttg 406

<210> 13123
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13123

agctntatgt gacacacttt gtcactcagt gtttcttttg aaaaccattg tgaaaatact 60
attttatcaa ttactagatg acaatgcttt tgttttcata aaatatgggt ttactcattg 120
gacaaaacta tctataactt ggtttttgca aatttggttag tgaaaaacaa cttcttgcca 180
acagatttta ttttcatcta acacgttatt caaccctcct tctagtgtga tatctatttt 240
ttcattatct tggacaacat aatttagttg cattgatgta tctatgtatt tcttttatgt 300
atgttatgat acccacatct tgagggtgaa atgtatttaa ctatatatgg agtgcgttga 360
tttttatata tatatctggc ccattcgaat gatattgtcg atgaaggctt ctattttaag 420
ctacaataat tacttattct att 443

<210> 13124
<211> 470

<212> DNA
 <213> Glycine max
 <400> 13124

agctttaagc caaacatgta atcaattaca ttatattacc ttaaaccata tcaccacaga 60
 ataaatcatg gtaatggatt aaatcatggg gtaatcgatt aàaatagaag gtttcaaaaa 120
 tcgataacca cacaacaaca cagtgtaatc gtttaacacg agagagtaat cgattaaaat 180
 agtgaaaaac acaatatgat aaagtaaaat atgtatgttt taaaaaaaaa attcaaccac 240
 atatcagcat atcaacatac taagatatta ctgaagataa taacaaacat agagagcata 300
 tataacaagc tacatgtact aaaacataac atcatccaac actagatcca tctaagatac 360
 ctagttcatt cctaataaag aagaacttat ctctagcaag agggttagta aagatgtcag 420
 ctagatgatg ttcactatca tcaaactcaa tgcaacaatc acactttgat 470

<210> 13125
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13125

gcttccatgc aattcactaa atgggcatct ttgtttttgt gcatcgcatt ctctaacggg 60
 agattgtgag gacataacaa gtgtctacta gtatggtaac ttgttattgt acccacttgt 120
 taccaagggt gagatcatta ccagcttttt tgcatatccg actctaaggt ataattgagt 180
 taaatacctt actatanagt ctgaccagga cgacattaat tgggtcaattg tcttaagaat 240
 tactacatat taggtttttc ttatttaaaa agtagttatt tatttttaat cccccaaaaa 300
 aattgtttta gataaaacaa aacttgtaaa actcttattg tgaaaataaa ctgatacaag 360
 tatccatttg ataaatatat aaaatttgtt ttttcactat aaagcatgtt ntaatataaa 420
 anaagtttaa ttaanattta attaaacaca catctcaatt atatntaaat ctaaaa 476

<210> 13126
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13126

taaatgtttg tcttatttgt acacacgcgc aattgcaatt attattgaat atcanattat 60
 caatagtaag tactaagtac taagtacaac gaaattcaat aaaatttgat cgattctttt 120
 ccgctctccc accaaggaat atcaccacca tccaaatctt agattgttac taattataca 180
 agtctaatta tcaaattaat agagcaatat catcctaagc aagaacctgg gaaaaaacg 240
 ttctatttnt ctttataaac attacagtgt tttgtttata tatatattct aaatatcaaa 300
 ttatgttttag caccattaaa caaacgtgt gtgatcaatt cattttaatg tgtttatagc 360
 tagcacatga ggaaaacaga tacgactaga ttataattgt tttacaaacc gaatcaatga 420
 ccaatatatc tctttctttc ttcctaa 447

<210> 13127
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13127

agctaagcac taacattctt cttctttggc aaattttgtc taaaacatac ttagacactt 60
 cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat cagagtaatc 120
 aagcacagcg gtatctgtag tggcgacagc ataattctgc aagttgcaag tcgtttcccg 180
 gatgtcaaga catctcacgt gaccatcagc ttttgctccc cctgtctcca tgctcttact 240
 gctgtgaagc agttcactgc agcatcttct atcagctact agtcttttcc aggatgtcaa 300
 gacatctcat gtgacatnca gcttttgctc cccctgtctc catgctcgta ctgcatcttc 360
 tatcagctac tagttgcagt agcttacatc aatcatcatc agcagcagca gtctccccct 420
 cagaatcata tacatacaac tccccctcaa atcatg 456

<210> 13128
 <211> 287
 <212> DNA
 <213> Glycine max
 <400> 13128

ctctgtgggtt atgctcctct gccgacacca cacagatctt tgcccttctg tgcaacaatg 60
 tgaagcaatt gaacaaccag aagcttatgc tgaacacata tacaatagac ctctgctcc 120

tcagcagcgg aagcagccac aatagaacaa ctatgacctc tccagcaaca tgtacaatcc 180
cgactggagg aatcatccca accttagatg gtcgaatcct tcacaacaat agcagcaaca 240
acaacgacct tattctcaaa tggtgttgga ccaagaagac catacgt 287

<210> 13129
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13129

aaaagntatt gtcatttgaa tntgttcaaa gcttctatct ccaatttcaa gcatcatgat 60
atatgacggg actcaatcgg acatccgagt aaaaactaat tgtcggttga atttcctcag 120
agtttctatt ttcaattttg cgagagcctc tgtattaatc tcgaccgtca tatactatta 180
aataagtcaa tcggacatcc gagtcaaaag ttattggcat tagaatttgc tcacagcgcc 240
tgttttcaat tctgagcgtc tctatatatt acgggaatca atctgacatc cgagtataaa 300
tttattggcg atagaattag atcaatgttt ctattttcaa taccgcgcgt ctcgatatat 360
gaagggacta catttga 377

<210> 13130
<211> 439
<212> DNA
<213> Glycine max
<400> 13130

agccttggag tttccaagtg ccaattcgtc ctcttcttta gtccagtctt cttctggctt 60
caattcatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180
gtattcatag ttgcttccat caagaattgg tgggtctgtc actggtcctc cttctttctc 240
catgttcatc agaatttatc tcccagatc tcaactctgtg atttcgagtg ttggctctga 300
taccaattga aattctgata ccaggggaca gatgtcgtac aggatgtcac gacatcacgc 360
ttcagaacat gcagtttatg tgtgtccgta tgaacagatt aaacaagtaa ataacacaag 420
agaattgtta cccagttcg 439

<210> 13131
<211> 355
<212> DNA
<213> Glycine max

<400> 13131

ccatttgtct acctaggaat acctatatgt gcaaattccga ggcgggggtca gctgtgggat 60
cctattctca aaaagtgtga gagagtatta tctcagcggga agcaaagaca ccttttcgttt 120
gggggggagag tgacgcttat ccagtcagtc ttaacttcca ttcccattta ttttttgtgt 180
tctttcggga ttcccaagaa ggaggtggac aagttagtca gtttgcaatg tatattccta 240
tggggaggag gagcagatca caacaagatt gcttggatta aatgggagac agtatgcctc 300
ccacaagata aaggggactt gtgtatcaag gacatatata ctttcaatct tgctc 355

<210> 13132
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13132

agctngtatt ttctattaat ggagattaat cttttcttcc acatcgtgtg ngctgcagga 60
aatgatcaac catatgaaga ttggtatagt agaagcaaag catgggtctct atcacctgat 120
accaaactag ttgaccacca aagctgtaaa ctctaccatc acccatcctc natgcaatgt 180
aattcccata aaccttcggc actttagggt gcgtcaccct tcancttgaa agaatacaat 240
gtatgaaaac ctattatcct cttctaagaa ataacacaaa ttgtgtctgc aacacatgtc 300
atttatgcac agcacaagaa tatgcctttt ctctaacag ttcacatgca tctcatgtta 360
tcgatttact tcacatggat ttatggggtc cgtgtcaaaa ctatcaatgc atggacacaa 420
atat 424

<210> 13133
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13133

tatanggtta aagtctcacg attgtcacgt gctcatgcaa ctattgttag ncgnggctat 60

acgagacatc ttgcctaaca aagtcaagtt cacgataact cgctgtgct ttttctttca 120
 tgctatatgt agcaaagtga ttgatccact aatgtttgat gagttggaaa atgaggccgc 180
 aattatactg tgcctgttgg agatgtatct tccccctgct attcttgaca tcatgattca 240
 cttgatc 247

<210> 13134
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 13134

acaaaataat tatgatcttt caagcaacag atacaatcca ggtagagga atcatccaaa 60
 tctgagatgg acaagtcttc cacaacaaca gcagcttgct cctccatttc tgaatgttgc 120
 tggccaagc aagccatatt ttctcccc aatgcagcag cagcaacaac acaaaggca 180
 acaagcaact gagggatcct cctcaccttc cttagaagag ttagtgagga aaatgaccat 240
 ccagaatatg ccaatttagc aagagacaag agccttcatt cagagtctga caaataagat 300
 ggggcagatg gctactc 317

<210> 13135
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 13135

agcttagcca aatgcacgct attttaattc atatataatg ttcattgcat agtcttcac 60
 cagggtctggg cttgcgtgcc attagagtca atgcaactat tagaataagc caatttaagt 120
 agtgacatta tgttaactac aagattcatt tgactattaa aataacattg attaattcct 180
 aggtgtttgc tcacatgtag tagttgtgca ataatatctt attagaatta gtagctaata 240
 attagattat tgacatgaag aaaatagatc ttaattagat gtattgtaag atttggacgg 300
 tccaatatga tatatctaga cgatataaaa tactcataat tttgatgata atagaaatat 360
 aaattatcga tggactaatg ctttatataa agtgaaatag aacatacttg gtacaaactc 420
 aaat 424

<210> 13136
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 13136

agctttatgg tttcttggat ggctactcat tgttaaataca gataagacca agaaaaaacc 60
 actttttacat gcccttttgg tgtcttttgc taaaaaagga tategttttg gttatgtaat 120
 gtccctgccca cctttcagag atgtatgcta gccattttgt tgatctggta aaaaaatgca 180
 tcgatgtgtt catggattat ttctttgtct ttggattttc ctttgaccat tgtttatcca 240
 acttgaatt ggtgtgacca caagatctcg tctcgaggga ttgaagtgga caaggcaaaa 300
 attgatatta ttgagaagtt gcctccactt atgaatgtga aaggcatcca aagttttctc 360
 atacatgccg gacttctatc ggaggttcat aaa 393

<210> 13137
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13137

tcttacatag tccgcctttg ctagaccttc ttaatgctta ttaacataaa cattagggcat 60
 aggcacaaaag atcaagagga gttattgggt taaaaccata tacaacttct aaaggagaac 120
 aattagtggg gctatgaaca gctctattgt aagaaaattc aacatggggg aaacaagctt 180
 cccaagtttt taagttcttc ctcaaaactg tcctaagcaa agttcccaaa gtcctattaa 240
 caacttccgt ttgcccatcg gtttgtgggt gacaagtggg tgaaaataac aatttagtgc 300
 ccaacttgct ccacaaagtc ctccaaagat ggcttaggaa cttagagtcc ctatcactaa 360
 caatgctcct tggcanacca tggagtctca caatctcctt gaaaacaaat cagccacatg 420
 ggaagcatta tc 432

<210> 13138
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 13138

tgctgcatgc aagctttgag catattcaaa cgtattatta ctttgactcg gatgtcccg 60
tcgtgtcccg taatatatcg agacactctt aattggaaac agaagctctg atgcaattca 120
aacgactata actttttaca cggatgtccg attgagttcc gtaatatatc gagacgctat 180
taattgaaaa cagaagctct gatcatattc atacggacca tactttttac tcggtgttct 240
attgtgtact gaaaatatcg agacgctcgc aatcgataa 279

<210> 13139
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13139

ctgcaagctt acaataggaa tntcagctgt ctacagttat taagaatact aactaaactt 60
cagttaagcc aattttaact gtgttttact atttaagtcc tagttttacaa tttctcttat 120
tctttntctt tcaattactt gttttgaaag caatcatctg aattttctct atcttgata 180
atgataagaa ccttgggaga tctacaccac aaaagcgagt cattgtagtt tggagagcta 240
acagtcttat acatcctana ctcaaatgt gagattcaag tctcatacct tgcaattgga 300
tcctaacatt ccattcttgc tcgcagcccc atgccacat gggcaggctg tgcactaacc 360
ctttaactag tccctagcan aaactacaat gccagcatca ccacacatgc c 411

<210> 13140
<211> 394
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13140

acgaccataa ctgttgactc gaatgtatga tcgatgccga ttatatatcg agacactcaa 60
aattgaaaaa cagaagctca cgagaaattc anatgggtat aacttttcac tcggatgtct 120
gattcacgcg cataatatat cgagaccctc tanattgaac agggaagctc tcggcaaadc 180
caaacgacca taacatttga ctgcaatgta tcatcgacgc ccacgatatt tcgagacgct 240
caaaattgaa taacggaagc tcttgagaaa ttcatatggc tataactttt cactcgaatg 300
tccgattcac acgcataaga tatctagacc cttgaattga gcatggaagc tcttggcaat 360

tcaaacgaat ataacttttg acttaatgta tgat

394

<210> 13141
<211> 380
<212> DNA
<213> Glycine max

<400> 13141

gacactatga aactcaacta tgctgcaata tttaacaatag acctcctcaa cctcatcatt 60
taaatcaacc acagcagagc aattatgacc tctctagcaa cagatacaac cctggatgga 120
ggaatcacc ctaacctcaga tgggtccagcc ctcagcaaca acaacagcag cctgctcctt 180
ccttccaaaa tgttgttggc ccaagcagac catacattcc tccaccaatc caacaacagc 240
aacaaccctt gaaacagcca acagtttttag gccacattat ttccaataag ggtattgaag 300
tagatcctgc aaaaatttct gttatttcac aattgcctta cccctcctgt gtgcgagagg 360
tgtgatcatt tcttggtcat 380

<210> 13142
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13142

gcttctccaa acaatagtat cgtctgcata ttggagaata ttatcatgca ctttattctt 60
cccactaca gagctttgga agcaattata gctgattgct acctcatca tacctgtcaa 120
accttcagca accaggtcaa aaacgagtgg ggccaaaagg tccacttgct tcaagcctct 180
ctgaggctta aactctgacg ctgggcttac attagcaatg actgacacag aagctgaagt 240
aatgcacccc ttgatccagc taatccatct ctcattaaag cccattcttc tcaacatata 300
gaataggaac tgccatgaca catagtcata ngccttttca agacaacttt aaagaccata 360
catgacctgt tggacctact tgcctcctcc actacctcat tagcaaccaa agccccatac 420
aacagctttc ta 432

<210> 13143
<211> 268
<212> DNA
<213> Glycine max

<400> 13143

tttattgacc tgtgagccag tatcaatgtg atgtcactct ctatgtgcag aagattggga 60
gagttggaaa taatgcccac ttgaatgact atacaattag ctgacagctc cattaccagg 120
tcatatagag taattgaaga tgttgtggtc agagtaaaac attttatctt ctgacagac 180
tatgtggtaa tggatatctc tgaagatact gacatccctg taatattgtg aaggccattc 240
atgctgattg gaggctgcat agttgata 268

<210> 13144

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13144

gatgaatgaa gggagaggaa gagaaagtct ctttaattgt gctntaaaag agctctaaaa 60
tctgaagatt aattttcaaa tgatcaaagn tggaaaaatg cacacacata gcctctattt 120
atagcctaag tgtcatataa aattggagga aaatttgaat atctattcaa atttcacttt 180
aatttgaaat tgaatttgtg gagccgtatt ttggagccaa aatttcacta attatgatta 240
gtgaatttca gatatgggtc agcccattaa tccaagatca agtccaagat tctccactaa 300
gtgtgcttag gtgtcatgaa gcatgtaaag catgaatgac atgcacaaag tgtgactata 360
tgatgtggca atggggtgta gcaagaaaat ggctcacctc ccctctaaaa ttaattggat 420
gggcttcacc attcaattaa ttatt 445

<210> 13145

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13145

agctntaaga aaatttgcaa catcgttntg gttatttaac aagaacattc tatttcttga 60
cattggtacc ttggtaatta tattatttct cccatctctg atggaaagac tggaaatcttt 120
catgtgaata tcatagcctt ttttgagtaa ttgtcccaaa ctcaaaatat tgttcttcat 180
atgtgggacg tagtagacat ttgatatgaa ttcatgtctt gcatccttca natggattat 240

gatcttacct tttntccttt ataggaatat tggaattatt accaaattag gcattgccac 300
 ttactgactc atcaagatcc acgaacatgc ttctttttcc acacatatgg ttgcttgac 360
 cagtctccan gtaccatgtn gtttcttggt tacctatatt acctccatgt gctangagaa 420
 ctgtttcann acttccatct ttttgctcca catagttagt ct 462

<210> 13146
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13146

agctngaagg caaactggat gcattggta acttggtaac ccagctggcc ttgaaccaga 60
 aattgtacct gtcgcaaggg tctgtgtttt gtgctcctct gctgaccacc atacagacct 120
 ttgcccttcc atgcagcaac ccggagcaat ggagtagccc gaagcttatg ctgcaaacad 180
 ttacaataga cctccttaac ctcagcagca aaatcaacca caacagaaca attatgacct 240
 ctctagcaaa agatacaacc ctggatggag gaatcaccct aatctcagat ggtctagccc 300
 tcagcaacaa caacagcagc ctgctccttc cttccaaaat gctactggcc caagtagacc 360
 atacattcct ccaccaatcc aacaacaaca aca 393

<210> 13147
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13147

tatactctnn cttcatnata tacgatatag atgttaagtt gacgtatccg catcttcata 60
 atagagatgt ctctaaaata atacaaaatt aattttaaaa tatataaaat tagaaattcc 120
 caaattaaat tgtagctaga aatagttatt atctataaat aattgtatta tttattaaga 180
 gtgtgtgaat tattataaat tataccgcag acgtatatga tttttacgaa taaaaaatta 240
 agtatatttc ttatgatatg atcttatctc ttaatttact ctcathtaata gagtgggata 300
 tattgttctt cattaatctt aacattttaa ttcaaaactt ttaccaacaa ctatttatgc 360
 actocaaaat cctatctata ttcaatcggg atatatttac tctatgctca ttcatttcta 420

tat 423

<210> 13148
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13148

tgcaagcttc aagaaaaaga tggcctcaac aaacttctta tttccagtaa ggaattctat 60
taatagacct ccaatcttta atggagaggg ttaccattac tggaaaaccc gaatgcaaata 120
ttttattgag gcaatagacc taaatatttg ggaagccata gaaatagggc cttatatacc 180
caccacagta gaaagaatta caatagatgg cagttcatca agtgaaagta taactataga 240
aaaacctaga gatagatggt ctgaagagga tagaaaacga gtacaatata atttaaaagc 300
caaaaacata ataacatctg ccctgngaag ggatgatata ttcagggttt caaattgtaa 360
gagtgetaac gaaatgtggg acactcttcg attaacacat gaaggaacta catatgttaa 420
aagatctang ataaatgcac taactcatga gtatgaatta tntagaatga atg 473

<210> 13149
<211> 425
<212> DNA
<213> Glycine max

<400> 13149

agcttccaac catagagctt gttaggctgc tatatcaaca acaatatatt ctacttcaca 60
tggtgacaaa gcaactacac tctgcttctt tgagcaccaa gagattgggtg atgttcata 120
tttgaaaaca taaccagtag tgcttttcct atcatcctta tcaccacacc aatctgaatc 180
actataacca aacacttctc cttctatttc ttgtgactga aaggatataa aatgccaaca 240
tccaatgttc ctatcacata tctcagaatc ctctttgctg ccaagaaatg aggtgtcttt 300
ggtttctcca taaacctgct tatcaatata acacaatatg caattatatg ttggtgtac 360
atatgaacca taattgacct acatattggt ggacgagggg tgatcaattt gtttctcata 420
cccat 425

<210> 13150

<211> 469
 <212> DNA
 <213> Glycine max

<400> 13150

tataagcttg cgtcagattt gaatgctgca atgaagatga tatacatgta ttctactttg 60
 cctgcccttg gaaattgcta aaagtatgaa ggcgtgtgga gaaagcatgc gagagaacat 120
 tattgctgca agaattcttg gatccatgat tctgaaattt aactatgttg tgtgctcgat 180
 tgaagaatcc aataatttgg atactatgac aatcgatgaa ctgcagagta gtcttttagt 240
 tcataagtaa aggatggtgt gttatgaaga ggagtgcaca gcaccgtata ttacgcatga 300
 agatagggga tgaagaggac gaggatgatg aaaaccacga cgaatagggt tttccgctgt 360
 agaggaagac ggagacagtc aatcaacaaa gttgatattg aatgcttcaa gtgtcacaaa 420
 catggacatt gtcaatatga atgtctacct gggaataaaa taaatatgc 469

<210> 13151
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13151

tgatgattca atattctgat gagggtgttc catatgttct ctgactgga ctaatacatt 60
 tgctgcccaa gtttcatggt cttgcaagtg aagatcctca taagcatctt aaggagttcc 120
 atattgtttg ttccaccatg aagccccctg atgtccaaga agatcatgtc tntctaaagg 180
 cttttcttca ttctctagag ggagtggcaa aagattggct atactacctt gtccttaggt 240
 ccatttntag ctgggatgac cttagaagg tggtcttgga gaaattcttc cctgcaacta 300
 ggaccactgc catcagaaaa gacatttcat gcacaggca acttagtgga gaaagcttgt 360
 atgagtactg ggaaagattc aagaaattgt gtgcaagctg tcctcaccaa ttgatttct 419

<210> 13152
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 13152

agcttgaagg ataacttgat gccttggaca actctggaac tcagctttcc atgaataaaa 60

aatctacacc tgttgcaagt gtctgtggtc tatgttcttt tgcagatcac catacagatc 120
tctgtccttc tttacagcaa tctggagtca atgagcaacc tgaagcttat gctgcaaaca 180
tttataatag acctcctcag cagggaaacc aacaacagca gaataattat gacttttcga 240
gcaatagata caatccaggt tggaggaatc atcaaaatct gagatggaca agtcctccac 300
aacaacaaca gctgtgccct cctttccaga atgctgctgg tccaagcaag ccatatgttc 360
ctcctccgat gcagcagcag tcacaacaaa gacaaca 397

<210> 13153
<211> 143
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13153

ttgaaatcgc acagcgggaag ctctcgagaa agtcaaattg tcttaacttg tctcacggaa 60
gtccgattca ggcacatact atatcgagac tcccaaattg aacaacgnaa gctctcgtaa 120
tatttaaata gtcataacct ttc 143

<210> 13154
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13154

gctcagggct tcggtattcc atatcgagcg tctcgatata ttacgggact caatcggaca 60
tcatagtaaa aagttatagg tgtttgaatt tgctcagagc ttngtattc catttcgagc 120
atctcgatat attacgggac tcaatcagac atccgagtat aaagttattg tatgttgaat 180
ttgctcacgg cttctatatt ccatttcgag cgtctcgatg tattaccgga ctcaatcaga 240
catccgacta taaatgtatt gtcgtttgaa ttgctcagag ctctacatat catttagctt 300
ctcattatac ggactcaata taatccgata aaattattgg cttgatttgt agacttcgaa 360
tcatttttagg ttgattatta 380

<210> 13155
<211> 497

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13155

gcttggtgaa gtaacccggc ttctgggtgtg tgcaggtatt ggttntgctg acaaatagtg 60
tagttgcaaa caaaatcttt agtgtcaaag tacatgtgtt ggatcgagtg gcctcagaat 120
aattaagaag gaggggttta attaattatt cctaagcctt tactaattaa aaatttactc 180
ttctaaggct ttactatgt tgtaagaga ataaggagta gaagagaaac ttaacccaaa 240
gtaaaagcgg aaattaaaat gcacagcggg aagtaaaaga gtagggaaga aggagacaaa 300
catacaagag tttttatact ggttcggcaa caactcgtgc ctacatccag tccccaagcg 360
acctgcggtc cttgagattt ctttcaacct tgtaaaaatc cttttacaag caaagatcca 420
caanggatgt accctccctt tgtctctttg aacctagtgg atgtaccctc cactagaact 480
gatccacaag agatgta 497

<210> 13156
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13156

gcttttgcag ttggaatcat ttatcctatc tccgacagcc aacaggtgag tcccatctag 60
gtagttccga agaaaatcgg cctcaccgtg atcaanaatg agaaggagga gctgattcct 120
actcgggtgc agaacagttg gagagtctgc attgactata ggaggctgaa ccaagttacc 180
aaaaaggacc attttcccct gccattcatt gaacagatgc ttgaacgcct gacaggtaaa 240
tctcactact gtttccttga cagtttttct gggtatatgc aaatcactat tgctcctaag 300
gatcaggaaa ataccacatt cacctggcct ttcggcactt ttgcccatag aaggatgact 360
ntcggcctgt gcaatgcccc tgggtactctt tttgcgggtgc atgaatcaat atttcagtga 420
tt 422

<210> 13157
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13157

gcttaacctt cggtttggct cgaagacata cttaataaga gaatccttaa tagacaacag 60
ctctggaaat tccttcttca atttggctgc gtcaagctaa ttaattgttg ctctgngag 120
caacaatcac cttcgcctgt tcctcaagag tgaagttctt ccaagtgaat ttgggggtcaa 180
cataatccct gtacatctcc aagatntcat tgtgactaac cactccaggg ttagtaaagt 240
tccagatccc agtcagattc ctcttcccca tctcaatgga gataggaagc agttcatcca 300
atatagtcac cgaattcgga atgtcggttt ctttgaagcc gattccggat ccaagggggt 360
gatcggagtc gtactcnaag atgcagtcg 389

<210> 13158
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13158

actctctaga aattcanatg gtcataactt ttcacacgga tgtccgatcg ggcgcataat 60
atgtcgagag gctcgaaatt gaacaacgga agctcttgag aaattcaaatt ggtcataact 120
tttcacacgg atgtccgatt caggagcatc acatattgag acgctcgaaa ttcaaattggg 180
gataactttt caaacagatg atggacttaa gcttatacta tgatgatata ctcgagcgca 240
aacatcgtag actctctcga aat 263

<210> 13159
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13159

cgtgctctgc nactattgtt agtcgaggct atacgagaca tctttgccaa caaagatagt 60
tagccataac ttgcctttgc ttttcttcc atgctatatg tagcaaagtc attgatcctg 120
tcaagtttga tgagctggaa aatgaggccg caattatact gtgccagggtg gagatgtatt 180
ttccccttgc tttctttgac atcatgattc acttgattgt gcatctgggtc agagaaatca 240

aatgttatgg tcctgcttat ctatggagga tatacccggc tgagcgatac atgaagatct 300

<210> 13160
<211> 243
<212> DNA
<213> Glycine max

<400> 13160

gatttgagag ctgtgaagaa tggcttaggc agattttgga aggcctttta tatcttcaca 60
gtcacaatcc accggttatt caccgaaacc ttaattgcaa taacattttt gtcaatggga 120
atcaagggga ggtgaaaatt ggtgatttaa gattggcggc tatecttcaa caggccaatt 180
cagctcacag tgtcataggt aacgtttcct gagaaatatt acatttattt tacccttttt 240
tat 243

<210> 13161
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13161

agcttgtaat cgattacaca catactgnta tcgattacca gaggagattt tcagaagata 60
ttctcaacag tcacatcttt ctgtgtggtt cttgaatggc tatcaaaggc ctatatatat 120
gtgacttgag acacgaattt gaaaagagtg tttcaaaaca aaaaggctctt atcctcttat 180
aaagcaaaat cgttttatcc tcttaciaat tccttggcca aattacttgt gattcaataa 240
ggaattattt gagtgctcaa attgttcaat ctatctcttt caagagagat ttcttctttt 300
cttcttcttt attctgaaaa gggattaaga gaccgatggc ctcttggtgt gaaagaattg 360
tcaacacaaa ggaagggttg tccttggtgtg 390

<210> 13162
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13162

gctttgagca aattcaaacg acaataactn ttatctcggg tgtccgattg tgtcccgtag 60

tatatcgaga cgctcgaaat tgacaacaga agctcaaagc acattcgaac ggcaataact 120
 ttttactcag atgtccgatt gaggcccagt atatatcgag acgctcgtaa ttgaaaacag 180
 aagctctcag caaattcaca cgacaataac tatntactcg gatgtccgat tgagtcncgt 240
 aatatatcga gacgctcgta attgataaca gaagctctga gcaaattcaa acgacaataa 300
 ctctttactc ggatgttcga ctgagttccg taatataatct agacgctcg 349

<210> 13163
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13163

atggaagctc ctaatatctc ccacactnnt ttgggtgggc cattcttgga tggccttgat 60
 tttctcaggg tccacttgga ccccatcttct accaactaca aaccctaaga aaactatatt 120
 atctacacaa aaaagtacac ttctctatat ttgcatagag ggtgtttttc ctaaggactg 180
 aaagaacttg cctaagatgt cctaagtgat catctaggct cctactgtac actaaaatat 240
 catcaaaata aacaactaca aatctaccta tgaaatccct taagacatga tgcataagcc 300
 tcataaagggt gcttgggtgca ttagtgagcc cgaaaggcat cactagccat tcatacaaac 360
 caaacttggt cttgagagcc ggtttccact catcaccctt tttcatcctg atgtgggtgat 420
 acccact 427

<210> 13164
 <211> 504
 <212> DNA
 <213> Glycine max
 <400> 13164

tgagcatgc aagctgttgg tgctcaagcc tacttctctt ctttgagtga atctataata 60
 atttaaaaaa catgaatggt agttacttag tttcaatttc agcttctaata gtttcataat 120
 caaattaaaa atgttcactt tcataataata ctatagatta agtgattaac ttacatgctc 180
 aaagggtactc caattacgct cacatcctga tgagctacag gtcaaaactta aaattttaat 240
 ggcaatgggt tgcaagtgtg gtgttttccc tccacacaat ttccaccact caactggtaa 300
 atgcaattca tatgcattag catgtacaca gattattaat taatcattca aatttataag 360

tgaactttcc cacttactag gagatatctc agtccttgct ttcattgcta caatcatacc 420
 aaacctctct ctagctctat tatacactag caattgttgt gaacatcatt acaaaatatt 480
 atcttactaa gccatcatac attg 504

<210> 13165
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13165

acttaatcca gataagtatg aaaaagtttt ttcaaaaact agtagcacat ggattnttct 60
 caaaatctat ttaccaaaga ttttttactc tctagtaata gattaccaga ttattgtaat 120
 cgattaccaa tagaaaaaat ggttttcaaa aagctttcaa ctgaatttac aacgctccaa 180
 ttgatttcaa aatgttgtaa tcgattacaa tgttttggtt atcgattacc tgtgtgcttg 240
 aacgttgaaa ttcaaattca aatgtgaaga gtcacattct ttcacaaaaa agctttgtgt 300
 aattgattac actattttgg taatcgatta ctagtgaaag nttctgaaca natcanaata 360
 tgtaactctt caaatagttt ttgactttta cacattgctc ttaagtttaa taaaagtcatt 420
 aactcttcta atg 433

<210> 13166
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13166

gagactaaga aattnctaata gaatatatct gatatgaaag atcttgggga agcctctttt 60
 gtattaggaa tcaagatcta agagatcgct ctcaagatat cctaagggtg tcacaagaga 120
 gttatgtcta taaggctcta gacagattcg gcatgaaaga tagtaaacca ggagataccc 180
 cgatagctaa aggagacaaa tttagtctca aacaatgccc taataatgac cttgaaagaa 240
 tagagatgca aaagattcct tatgcatcag cagtaggaag tctaattgtac actcaagttt 300
 gcactcgtct cgatataaca tatgtagtag gagtcctggg caaatatttg agtaatcctg 360
 gaatgctgca ttgaaaagca gcanaacgtg tgatgcgtta cctacagaga ataaaaggat 420

acatgctcac ttatcaaat tctgggaata tggagatca

459

<210> 13167

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13167

cttgagcana ttcaaacgac aataacgttt tactcttatg tctgattgag tcccgtaata 60

tatcgagacg ctcgaaattg aataccaagc tctgagcaaa ttcaaacgac aataactttt 120

tactcgaatg tccgattgag tcccgtaata tatcgaaacg ctcgaaattg aatgttgaag 180

ctctgagcat attcaaacga caataactgt ttactcggat gtctgattga gtcccgtaat 240

gtatcaaac gctcgatatt gaatgttgaa gctctgagca cattcaaacg acaacaagtt 300

tttactcggg tgttcgattg agtcccgtaa tatatcgaaa cgctcga 347

<210> 13168

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13168

agcaagaaat tatgtgcata tatagctaca aacgtcttgg aattgatata tacagatatt 60

ngtgggcat ttcatacacc ttcattggaat ggtcaacaat attttatatc attcatagac 120

gattactcca gatatgcata cttgtttctt atacatgaca agtcacaatc tttggatgtg 180

ttcaaaatat ttaaagttga agttgaaaat caacttaaca aaaagaataa aatgtgtcag 240

atttgaccgt gatggtgaat attatgacag atatgacggt tcaggtgaac aacattcggg 300

accttgtgcc aggtacctag aggaatgtgg aatcgtccca cagtacacca tgccanggtc 360

acctagcatg aat 373

<210> 13169

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13169

aaaagcaatg ggcaatgggt atagaaagat tgtgaanaaa aattgtttgg aagaatatta 60
tacatatata ttaacatgtg ccaaagtcac gcttttatag actcttcatg tctagtcaaa 120
gaaaccattg gaagagttgt gacttttagag aaaaccatgt taagagttat aactcttaac 180
tttttcttca aaattgttca ctggtagtgcg attaccacaa aggcgtaatc gattacacaa 240
tgagttttat gaaaaattgt gactcttcac aattgggatt gaattccaac gttcagattc 300
acttgtaatc aattactaat attgtgtaat cgattacact atntgaaaat ctttttgga 360
cgttgcaacc catctgaaaa ccatttgaaa accaaactgg taactggtaa tccattactg 420
ataactagta atcgattact agagagtaat ca 452

<210> 13170

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13170

gcaagctnga tcttnntagt ttntatcttt aatctttaat ccctgaacga actattcaag 60
tgggggggagt cgaactttaa ttatctttta cttcgcgcct aaagaggag cgccaaatat 120
agataatata ctgctcgta atctgggaaa gatataacag atttatgtgt ccagtatttt 180
cgggcaagat gtctgcaca tcgtatccga catcgtggat cctgcagctt caattcttca 240
tttgacattt tatcttgcct tgtgcattgt gcatcccaat ctgattcctt gacataacgt 300
aggacatcat gtgcagcaac tccagctttc cttcattatc taagagctta tgttgtaaca 360
anatttttagc caatctttta gaactcagta aagctaagca ctaacattcc gtgttcaaat 420
acgagcgtct cgctatccta cgggacacca tcggaca 457

<210> 13171

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13171

tctcagcttc acatcagacc acttcagggtg ctggaactac ttccatggac ttgatggggc 60

ctatgcaagt tgaaagcctt gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
 caaatttacc tgcgtcaact ttatcagaga gaaatcagac acctttgaag tattcaagga 180
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240
 tggcagagag tntgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatta caccacaaca aaatggcata gttgaaagga aaaacatgac 360
 tctgcaagaa gctgctangg tcatgcttca tgccaaagaa cttccctata atctctgggc 420
 tgaagccatg aacacagcat gc 442

<210> 13172
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13172

ccaccatctn ttcatagtag aatatcggtg atgtgtctac tatcattatc attttttctc 60
 cgccattgag gtgccacttg agctgccagg tctctccacc tttgggcgta ttctttgaaa 120
 gatctgtgcc cctttatgca catgttctgt agttgcatcc tatccggaac catatcaaaa 180
 ttgtactgat actgcctaac aaaggcaacc attatgtcct tccaagaatg gactcgggaa 240
 ggttccaagt tagtgtacca ggttacagct accctagtaa gactttcatg gaaggaaatgt 300
 atcagcaatt cctcatcttt tgcgtattcc cccatcttct gacaatacat cnttagatgg 360
 ntcttgtgac aagtagtccc cttg 384

<210> 13173
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 13173

tgagcacatt caaacgacga ataactttga ctogaatgtc cgattgtgtc ccgtatgata 60
 tcgagacgct cgtaattgaa aacggaagct ctatgaaaat ctaacgacaa taacttttaa 120
 ctcgggtgtc tgatcgagcc ctgtaatata tcaagacact cgcaatttaa aacagaagtt 180
 ctgagcatat tcaaacgaca ataacttttg atactgatgt ccgattgagt cccgtaagat 240
 atcgagacgc tcataattga aaactaaagc tctgagcaaa ttgaaacgac aataactttt 300

gactcgtatg tccgattgtg tcccgaagga tatcgagacg ctcgtaattg aaaacggacg 360
 ctctgaggaa aatctaacga caataacttt taactctgat gtccgattga gtcctgaat 420
 atatcgagac gtcgtaatt gataacag 448

<210> 13174
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 13174

tatgtctggc cgagtacaga tctgagcata cattatactc ctagcaacta atgcatacaa 60
 aattgcttcc atttggtttc attccaatta tttctaggac attgtgtgag actaaatttg 120
 tctcatttct gaattggaac gagtaatgct gagcactttt ccatacctaaa tctttctagt 180
 actttattga tatatgtttt ttgagataag cctaacaatt cttgtgatct atttcagaat 240
 atttctatcc ctatcacata gttccctca cccttacct tcatttcaaa gttactagaa 300
 agaaacttag tctcatgaag aagaccaaga tcattagttg caaggaatgt atcatcaaca 360
 tataggatta caaaaataac ctactccca ctgaacttca gatataata ccatcaaca 420
 atatttttct taaatccaaa ggaaacaatg gtatcattaa actta 465

<210> 13175
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 13175

cccgagagct atcggtgatc attttcgagg gtcgttatat gtgatgcgcc ttaatctaac 60
 atccgtgtga agagttatga ccatgtgat ctctctagag cttttgttgt tcaatttcga 120
 gcctctcgac attatttgcg cccgaatcgg atattcgcg gaaaatttat ggccatgtga 180
 atttctctag agtttctgat gttctattat gagcgtatct atatattata agccagaatc 240
 ggacatccgc gtgaaaacgt atgaccattt gaacttctcc agagctctcc gtgatcaatt 300
 tcgagcctct cgacatatca ttccgcccga atcgacatt cg 342

<210> 13176
 <211> 305

<212> DNA
<213> Glycine max

<400> 13176

gtctcgaaaa cttgatagga cctaaagaga gttgcttctt tggactgata ttcgtttgca 60
actcgtccct atactagttg taagtcgcta taacacctga gcattcttgc tcccacttcc 120
tttgtcactt ttacgcctgc tatgactgct tcatattcag ccagggttatt tgatgcttta 180
aaatcctagg gcctgctccg acgaacctta ttgggtcctt ctaggatgat gcctgcctct 240
cttgctttca tattggatgc actatttaca ttagagccca ctagtcaagg gtggcttgga 300
catta 305

<210> 13177

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13177

gatgaaccag gtntcacact tgcgcaatct ttccctgaac tccttctccg ttgcaacaac 60
atccttctac ctcttcaccg ccacactcgc ccccatctcc atcgtcgcct tataagtcgt 120
tccaaagggtg cctttccacc aaacttcaac tgatgcctc aacaactcat ccaaactaaa 180
tactctactc acattcccaa taaacaccaa actcttatta tctccaccac caccactgct 240
actctgaacc tcaactttct cactgaacc tgaattcccg ccactctcat tactcttctc 300
acgagacact acttcacctt ccacgacaca cttctcaggt ggcaagattc attctcatct 360
tcttg 365

<210> 13178

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13178

cttgaatctc agctgtggag tcatacacat tctccaccct gtgatagtcc gtgtagggat 60
gagttcattc ttctcattat ggatcattgt cataccgcct ttctgggcat cacttggact 120
agactcacco aagcactgtc agagatcgga tagataagtc ttgcttcaag caacttgagg 180

acttctttttt ggacttcttc cttcatggat gggttaagtc tcctttgtga ttgtttcccc 240
 agtctataat cagctttcat catgattnta tgcattgcagt aggatgggct aatcccccta 300
 agatcgaaga tatgccatcc tattgctacc ttatacttct tgagtacctc cactaactgt 360
 gcttccttag ctgaagacaa gtcattactg atgactactg gcttggcatc atttgcccca 420
 agaaaaacat acttc 435

<210> 13179
 <211> 463
 <212> DNA
 <213> Glycine max
 <400> 13179

actggatgca ttggttaact tggtaacca tctggccttg aaccagaaat ctgtacctgt 60
 tgcaagggtc tgtggtttgt gctcctctgc tgaccaccat acagaccttt gcccttccat 120
 gcagcaacct ggagcaattg agcagccga atcttatgct gctaataattt acaatagacc 180
 tcctcaacct cagcagcaaa atcaaccaca gcagaacaat tatgacctct ccagcaacag 240
 atacaacct agatggagga atcaccctaa tctcagaggg tctagccctc agcaacaaca 300
 acaacagcct gctccttctc tccaaaatgc tgctggccca agcagacctc acattcctcc 360
 accaatccaa caacagcaac agccccagaa acagccaaca gttgaggctc ctccacaacc 420
 ttccctcaaa gaacttgtga ggcaaattac tatgcagaac atg 463

<210> 13180
 <211> 474
 <212> DNA
 <213> Glycine max
 <400> 13180

tgtaggcta tactcgataa atatgtctgg ctctactctt ttgccaaactt gtctcgctta 60
 acctgtggta catttgtaaa cacaacaac cgaaaacttt tagatttttt aattgtggct 120
 taaagccata ccaagcctca aaaggagtct tcccatcaac tgcttttgtg ggaagtctgc 180
 tcaacaaaaa tacaacagta ttggttgcct cggcccaata ttctttggga aattccttct 240
 catgaagcag atatctagcc ctccattatg gttctatttt tccgctcact gacccatttt 300
 tgctttggag tgtatgggtg tgtaagttga tgctcaattc caacctctc acagaattta 360

tcaaattcat ttaaggtgta ttccttgctg ttatatgacc tcaaaactcg aattctaaag 420
ccactttgat tctcaatcca gttcttgaat ttgaagaaca cacctgcaac cgct 474

<210> 13181
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13181

tgcgccactt gaaaagcctc tnttgaatgg tgactctaatt gttatcaaca attatgttcc 60
cattaaggct agaggaaatg aaaattaacc tggatttcaa atgttggatt tttcagcatt 120
cttactttct catggatgat tcctttaata actctagggg atgagaagac tttagagcat 180
gaggatctcc cacatcttgc tactgatgac agtgtggatg ggaatttgcc aacttttaca 240
aaciaacttg agtcagagtg tggtaatgtg ataacaaccc tactctagtt tcataacaac 300
cctacganaa tatgatgtna ctgctcacat gaacaacact acactagtgt gataacaacc 360
cttgctacac tatgcaaaca accctgcttc aatgta 396

<210> 13182
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13182

tggagtccat gccgtcacgt ttggactctt tgagtgcacat gttacaagct gtgaatcccg 60
gtgatcatgc agtaagttaa ctgtactgct tggctttctt gaatcctccg tgctactaag 120
taaaataatt aaatgtttgg tttttatgct ttgtaggctg taaaagacga agttattatt 180
gatcttggtg accgctgtcg cacaaccag aaaaaattga tgcagatgct acaactact 240
gggttagttc cactcagcta ttccatctgg cacacacca aatgtacttg tgtgttacct 300
tgtgaaggct atccactgat atgtggaatg atcttattgt cttggttntg tcagatggat 360
gacgagcttc ttgga 375

<210> 13183
<211> 430

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13183

ctacttcaca tggatttgat ggggcctatg canngtgaaa gccttggagg aaagaggtat 60
 gctatgttgt tgtggatgat ttctccagat ntacctgggt caactttatc agagagaaat 120
 cagaaacctt tgaagtattc aaagagttaa gtctaagact tcaaagagaa aaagactgtg 180
 tcatcaagag aatcaggagt gaccatggca gagagtttga aaacagcagg ttcactgaat 240
 tctgcacatc tgaaggcatc actcatgagt tctctgcagc cattacacca caacagaatg 300
 gcacagttga aaggaaaaac aggactttgc aagaggctgc tanggtcatg cttcatgcc 360
 aagaacttcc cttatatctc tgggctgaag ccatgaacac agcatgctac atccacaaca 420
 gagtcacact 430

<210> 13184
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 13184

tactcctcat gcttctcacc atgtctaatt aagttctatt tcttcgttct gccacactat 60
 tatgatctgg agaactagca tagtgtattg gacaacaatc ccatgttctt gaagaaattt 120
 cgcacatgaa cctgggtgctt gtccatcctc tgtgtatcta ccataatact cccacactct 180
 atctgatctc acgatcttaa tttgttttcc acattgtttc tcaacttcag cttataaac 240
 tttaaaggca tctaaagctt cattcttaga atgaagtaag tcaagatata tatatcgtga 300
 ataatcatct ataaagggtta tgaagtattt cggacaatat gcattcatgt ctggacaaca 360
 tatgtctgca tgtatgatat ct 382

<210> 13185
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13185

agcttcacac aatgggttcat cacttttctg atggaagctc aatatanttg tcttagcctg 60

gtttctttttt tctctttgga agaaacagtc taaaaacttg tttccaatgt cactccaagt 120
gataaggctc tgagatggat gagtattgag tcacttcaag gcattatctc ctatgacgga 180
aaaatggaaa accatcatat agagattctc ctcttcagtt tgggtcaccc ctgttggtacc 240
acattgatca taaaatgtgg ccagatgggtt gtatgggtct tcattaccta agctaggaaa 300
tgcattgttg gcaaggaaag tgattangcc taacttttagc ctttgttgtg tggttgttgc 360
tccttgggtct agcaatgttg aagtatactc gtgaaccatt atcagtggtc tgggtccgcaa 420
gagttctcct aacaagtgat gcttcttcta ctctctcata tgtact 466

<210> 13186

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13186

agcttatgag aattattcac aattaaagaa tgaggaatgc caatatcaat tgcaccatta 60
ttgtaattac caactggacc atcacccaaa gaaagaattc aatatgaata tattatcttt 120
tcactttcat ccacatcatt taaaccactt ttcaaacgca tgttttgagt taatttcaaa 180
gttttacaac atttttcata attgagaaga gttaatgggtg gccaaaataa tttcaacttt 240
acttgcatca ngcacaacaa acaaaatttg tttgaaatca ccattgagaa tgacaacttt 300
ttcaccaaaa gttttatgca aactattgtc aatagtaaaa cacataatat ctcttaatgt 360
tctatcaaga gtttcaaatg canatctact aaccatagct gtttcattcc atatgatcaa 420
aggtagtgtg gttcaacaat tctac 445

<210> 13187

<211> 345

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13187

tctgttntca atttcgagcg tctcgatatt ntacagagct ctatccgaca tccgaggtaa 60
acgttattgt cgtttgattt tctaagagct tcccttttca attacaagcg tcttgatata 120
ttacgggaca caatcggaca cccgagttaa aagttattgt cgtttgaata tgctcagagc 180

ttctatttttc aattacgagc gtctcgatat attacgggac tcaatcggac atccgagcaa 240
 aaatatattg tcgtttgagt tttctcagag cttcggtttt caattacgag cgtctcgatg 300
 tactacgata cacaatcgga catccgagtt aaaagttatt gtcgt 345

<210> 13188
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13188

agtattttatc tactccaatt aacaagtcaa gtcaaacttg tcaggttcca aacaccaaaa 60
 taaaggacat tctgagaatt aatttgaac ctttaacatc acaccctaag caagaatcat 120
 attcatacgg atagaccaaa tgccttatta tgaaattttt gttgtttgct tattgtatta 180
 ataactaata aatcaatttg gtgaaattaa ttttaaggatga attctgtagt taatacttcg 240
 cttcaaactt atacatccta acttttacca cacatcatca gtattggtag tattctcttt 300
 ttaccacaaa ttgaaacatc acttgtactt ttatgttggt cataagtga gggggatgct 360
 atccatgacc ataagcaatg gagaagttgg ttgcttcatg atctcataan aactccacca 420
 aactgggtac a 431

<210> 13189
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13189

ntgcttccat ttccgctgag cagaaagctt ctgctgaaca tggatgcttt ccttttcatt 60
 gttgtcactt tcgtgttagc ttccaaactc attntgctca aggaagtga ctacctcgta 120
 ccacaagcag ttcaaaaaca tatattatcc atgtgaaggg gccacaggat aagtcactag 180
 atcaaacaga agatttggag agctggtacc attcattcat gccacctact attatgagct 240
 ctgaggaaca gcctcgaatg aattattcat acctcaatgt gatgagtggg tctgctgcaa 300
 gactcactga agaagagtcg atagctgtgg aaaaaaatga tggcttcatt tctgctcggt 360
 ccgaaaagat actgcatcgc caaaccacaa atacccc 397

<210> 13190
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 13190

atgtcaaaac aacctttccc atggataatt ggaggaagac atcttgatgc aacaacctga 60
 atgttttgaa atggaatgga agaaataata tgtatgtacg ttgaaaaggt ttatatatgg 120
 gttgaaacaa tctccaagga agtggtagca gagattcgat gagttcatta ttactcatgg 180
 gtacaacaga agtgcctatg attcatgtat ctattatagt aagggtggggg atggtttttcg 240
 catctatgtg ctactctatg tggatgacat gctcatagca tctcaagaca agtctgaaat 300
 tcataatttg aagtcactac ttagtaataa attttagatg atagata 347

<210> 13191
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13191

gcttctcgat atattatgcg ccataatcgt acttccattt gagaagttat gaccatgtga 60
 atntctcgag agcttccgct gttcaatttc gagcgtctcg atatattatg cgctgaatc 120
 agactttcgt gtgataagtt atgaccattt gaatatctcg agagcttccg ttgttcaatt 180
 tcaagcttct cgatatatta tgcacctgaa tcggacttcc gtttgaaaag ttatgaccat 240
 ttgaatttct cgagagcttt cgttggtcaa ttatgagctt ctcgatatac tatgcgccag 300
 aatcggacct ccgtgtgata agttatgaca atatgaattt ctcgagagct tccgttggtc 360
 aatatctagc ttctcgatat attctgcgcc tgaatcggac ttccngtga gtagttatga 420
 ccatttgaat attcgagagc ttcgttggtt 449

<210> 13192
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 13192

catttggttat tgatttgctt taccttgtac gtggctaaac atggttagcct ttgtaagtgg 60
 ttaaacccttg ggttatgact tctacttaat ggtaaagtgt aacattccat aacataaata 120
 cagatattta ttataaaaat atatataatc gacaagatta gaaaacatgt atatagttca 180
 cagaagatag aatatctcgt ttatcttcta ttctaaaata tcagtattag cattatatatt 240
 attagataaa taatataata tatctcgttt atgttatcat tatatctagg atgaaatatg 300
 ataagatgct atcaaaa 317

<210> 13193
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 13193

atgagatccc gttagaacaa ttgtgccact agtcaacaga gttcagtga cctcgggttta 60
 gagagagagc tacatagaat agagtgaaga aattgtttac actgtaagt gcattgagtc 120
 attaatttta ttgggtccata gtcttggtta gtgaacgtta tactgcgctt aataaccagc 180
 cgtcactttg aatttaccct aactgatacc acgctgtgtt tgactcagtt actacaggtt 240
 agtgacagct gttaactgct gtcgataaaa tactagtaca gatctt 286

<210> 13194
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 13194

acatatcttt tcatcacatt cctagagagg aaaatcatat ggttcgtgcc cttgccacac 60
 tagcatccct gttctagcta agcccgcatg gagatttgct gtatcaaatt caaatgtcgt 120
 ggaaagcctt acacattgct acttaataga ggaagagaaa aatggtaagc ctttcgtact 180
 ctgatatcaa atgatacatc gaagacaagg aatactcgca tgaggcctct gacaacaaca 240
 agagaacgtt gcgaaagtgt gcggcagact tctttctgag tggggatatc ctatacaaga 300
 ggaaccatga cat 313

<210> 13195
 <211> 465
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13195

ctagatccct cttgtggact aggctcaact taaatatctt acgattgttt agcctaant 60
agcctaagct ttgtcctcat ttggatttct tttgtctctt ccagatagct tctatatgtt 120
ggcttatctg gtaaggaagc tcttagaatg agatcaattt ggtgctctat ccctctcaaa 180
gcatgcaacc catgaggggt gtctttgagg aagacatccg ctaacctctt caataatttt 240
tccacaccta gaggcaaaga actagctata taagacaaac aataatcatg aggcattagt 300
aaatacatag gttgtctagc tagaatcact ctcttcacct tctgtattct catgaacaaa 360
ctcaatatct gtctctcttg aatttcaccc ttntttgcag ttcactctta ttttatcgca 420
ttctttcttt cttctctctt tctcatgttc tctctcgttt atcaa 465

<210> 13196

<211> 305

<212> DNA

<213> Glycine max

<400> 13196

atctatggaa aataaaaaaa taattgtggg tcacgcacgc tatttaatga tactttcttt 60
tgattttata atttttaatg aattttaaca ataataaaaa atagtatgct tgaatgagtg 120
tgttaaagag tgtgatatca atcttcttta acctatataca atatttgaga ttacagatta 180
atttaactaa tttagtaatt tctgggtgat tgggcgtggt agcttaacct cttcttcatt 240
taaaattccc tcgagacagt tgttcgaaat atattatcaa ttagtattct agctgttata 300
ttatc 305

<210> 13197

<211> 496

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13197

tcagaattca atttcgcgcg tctcaataga ttacgggact ctatcagaca tccaagcaaa 60
acattattgt cgtttgaatt agctcagagc ttcagaattc aatttcgatg gtctcgatat 120

attacgggtc tcaatcagac atctgagtaa aaaagttatt atcgtttgaa tttgctgaga 180
gcttcaacat tcaatttcga gcgtctcgat gtattacggg acttaatcag acatccgagt 240
aaaaagttat cgtcgtttga atttggtcag agcttcaaca ttcagtttag agcgtctcga 300
tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aaaatcctca 360
gagcttcggt attcaatttc gagcgtcttg atatattacg ggactcaatc agacatccga 420
gtaaaaagtt attgtcgtnt gaatntgctc agagcttcaa cattcaattt cgagcgcctc 480
gatataatttc gggact 496

<210> 13198
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13198

agctntaaag aggatcaaat ngaacttatt gtttctgggt tggaacaaag caagcagaag 60
ttcatatggg tgctgagaga tgctgataaa ggagacatct ttgatggaaa tgaaacaaaa 120
aggatatgagc ttccaaatgg gtttgaggag aggattaaag gcatagggct tattgtgaga 180
gattngncac cccaattgga aattctgagc cacacttcaa cagggggggt tatgagtcac 240
tgtggatgga actcctgctt agagagcata accatggngg tgccaatagc atcatggcct 300
atgcactctg accagccaag aaacactggt ntgataacac atgtgctcaa tgttggtttg 360
gttgtgaagg attngncaca aaggaatgca ttggtgactg cgtcag 406

<210> 13199
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13199

agcttcgaat ggtcatcgct tcattcttgt gtcgatagat tatttcacca aatgggtcga 60
agcggcttct tataccaatg tcacgaggag tgtgggtggc agattcataa agaagtgtcg 120
taacctaccc ttcggcgagg gggcgacgag agactcgagg gatgcgtgtt ccacgaaagg 180
aatacgcgag gagtcgccac caacgtttat tcgagganaa cgtcggataa accgganaag 240

acgagatcta ctgaactttt agtgaaaggt tggggagttg tatttacgca cggatgaaggt 300
 attagcagcc cacacgccc tccaaggga cggcagcctt taatcgaatg tgcaacatga 360
 ctctgatntt atgttccttt atgtcttata tctttataacc cttttatat 409

<210> 13200
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13200

ntgatgcaac atatggagag gttaatgaaa caacgagatg atgcgctcca tgagagggtg 60
 gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180
 aatgatccgg aggcctactt ggagtgggag atgaacatag agcatgtttt ctcatgccac 240
 aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgatata 360
 tggacggaga tgaaaaagat catgaggaag cggatatgtgc cggctagtta ctcaagggac 420
 ttgaaattca agctccaaaa actaacccaa ggcaacaagg gggtnagga gtatttcaag 480
 gaaatggatg tgctcatg 498

<210> 13201
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13201

agcttcttag tctcagatga tgcagctaag tttgtagcta cctcatgcac tcttctaag 60
 actatagcat catttctggc gctaaactgc tgggagttag aagccatctt ctcaattaaa 120
 ttcttggtt caacaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tcttccataa aaatattgga gaagaagctg ctccgaaatc 240
 agatggtgag ggcaactggc acatagtttt ttaaactcgt ccaggtactc atacaggctc 300
 tctccactga gttgtctaata acctgagata tcttctctga tgggtgtggt cctggaagcc 360

agggaaaatt tttctaagaa tactctctta aggtcatccc agcttgtgat ggaccttgga 420
gcaaggtaat acagccagtc ctttgccact cnctctaataa aatgaggaan agccttcaga 480
aatatgtgat cctc 494

<210> 13202
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13202

ctctaaagtt gatttgacaa gtgggtatcg tcaaattatg attagagagg gggatgaatg 60
gaanacaact ttcaaaacta aatatgggtg gtatgaatgg ctgggttatgc cctttgggtt 120
gaccaatgct cctagctctt tcatgagatt aatgaaccat gtgttaaggg aatttctang 180
aaaatttatt gtggtttatt tgatgatatc ttgatttaca ncaaattcca tgatgaacat 240
cttgttcatt tgaggagagt tttaaaggcc cttaggcatg agagcttgta tgctaacatg 300
gataaatgtg tgttctgtnt ggaccatgta agtttccttg gttntgttgt tagctcatac 360
ggagtacagg ttgatcaaga aaaggtgaaa gtcattcaag aatggccaac ccacaactgt 420
atgtgagggtt agtaactttc 440

<210> 13203
<211> 250
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13203

cacaacaatc cgctctcata tgggatctaa cgagcatagt natcgtctcc ataatggcta 60
catctactaa ctgctcacca tttctcttta ggtgattgga aacagcaaga attcttggag 120
aataattgga aatggactct tactctctca tatgtaagga gtctcactca cctcttagag 180
tgtggagaca cacctgtttt actctgtctt ctcttttgag agaggttaga agcctatcac 240
atgcctcctt 250

<210> 13204
<211> 470
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13204

agcttgtgca ttcaatatcc cgatgaaggt gttccatattg ttctcaagac tggactaata 60
catttactgc ccaagtttca tggctcttgca ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tttgttccac catgaagccc cctgatgtcc aggaatatca tatctttcta 180
aaggcctttc ctcatctct agagggagtg gcaaaagatt ggttgacta ccttgctccc 240
aggtccattt tcagctggga tgaccttaag aggggtgttct tggagaaatt cttccctgca 300
tctaggacca ctgccatcaa aaaacacatt tcaggcatca gacaacttag tggagaaagc 360
ttgtatgagt actngaaag atntaagaaa ttgtgtgcaa gctgtcctca ccaccagatt 420
tctgagcaac tccttcttca atatttctac ganggactta naaacatgga 470

<210> 13205

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13205

attctcttct ctagggtcca tcaattctac tgctccgtga ggtctgactt ctttgattat 60
gaacggccct gaccacttgg acttcagctt acctgagaat agccttagtc tcgagttaaa 120
aagtagtact tgttgccctg gctggaattc tttcctttgt agcttcttgt catgatacgc 180
cttcactttt tgcttgtaga ttttggatga ctcgtaggog ttcagtccca tttcttctaa 240
ttccagtaac tttagattcc tcttttctcc gcatgcactg tcacgaaat taagcaattt 300
gaaagcccaa tatgctntgt gctctagctc cactggtaag tgacatgcct ttccatatac 360
tagcagaaat ggtgataagc cgatgagaat cttgaatact 400

<210> 13206

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13206

acttactaaa atatgctcna caattaatta ttataattaa ggaattgttg acacgtgggt 60

ccatgtatatt tcattcaatt tagtgttgat taaaccaacc caaaacatct tttttcaaatt 120
gaaaaatcac ttatttttatt gaaaaaataa atntaaataa actcactcat attctattgt 180
tattcctatg tacttttgta atctttatct caatttttag ttaagattat aaatataagt 240
aaaaaaatga agagtatatt ataattataa agattacaat gaaatataat tatataataa 300
aatgttagac aattattcaa aatatttgta caactataat ttttaattttc tttctttata 360
aatatattta ttttaataaaa taatatattt tatcataaga gtctaattca attcgttgaa 420
taaaatgtga gtngttgcaa aattcttgat gtgattcgta gagatataaa atattaataa 480

<210> 13207
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13207

tcgagcgtct cgatatatct ctttactcat tcngacatgc gagtgacaat gtactgtcgt 60
ttgaatttgc tcatagctac aacattcaat ttcaagcgtt tcgatatatt actggactta 120
atcagacatc cgagtaaaaa gttattgttg gttgaatttg ctcagagctt cgatattcca 180
tttcgagcat ctcgatatat tacgggactc aatcagacat ccgagtataa agttattgta 240
gcttgaatct tgctcaggct tcngtattcc atttcgagcg tctcgatata ttacgggact 300
caatcagaca tccgagtaaa aagttattgt cgtttgaatt tgctcagagc ttcngcattc 360
catttcgagc atctcgatat attacgggac tc 392

<210> 13208
<211> 439
<212> DNA
<213> Glycine max
<400> 13208

aagcacctgc ggctgcagct gatcccacaa tccaccataa tgtgtatttc tcccaacgga 60
gctcgctcta tcaaattgaa tccgataggc cggccatggc ccttatctgc caatctatca 120
gcaatagagt agccttctat gagagtatgc gtaattctct aaccaaattc tgtcaaccca 180
atcataaagt tgcttgataa taaccacat cgggtgatta atgatcacct aagtatctag 240

aataagcttg ttcacagtaa cataatcact ctccaacccat attgtatatc taaaatctat 300
 ttcccaggcc agcttcaacc tatatagaat tcccatcaat tcagctctca aaacagtaca 360
 tgatcccaga ttgaaagtga agctcgtcat acaaagtcc atactatatc taattgcccc 420
 tccacatgca gccttgctt 439

<210> 13209
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13209

agcttatgct gcagacatgt atattttacc tctttcgcag caagaaccac aacagcagaa 60
 taattatgat ctntcaagct accgatccaa ttcaggatgg aggaatcatc caaatctgag 120
 aaggacgaat tcatacacaac tacaacagtc tgtccctcct ttccagaatg ttggtggttc 180
 gaacaagcgc atatgttctt cttctaagtc agcagctgca tcaacagcat catagacttc 240
 aagcaactga gacccttctt taacctttct aagaagagtt gatgaagcaa atgaac 296

<210> 13210
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13210

tcaagcttga ccaggaatta ttgtattggt tggttgttga attctggttg ttcctggtgc 60
 ggagatgatg gtacagcggg tgaaccagga gcggcagttt cttttggtga ggaagccatg 120
 gaaaaacaga gcgtttggaa tgatttcgta aatctcagaa aactattggg aaatgctgga 180
 gaaaacacga atgccaagca gatataaatt tgaatgaaga atgtagaggg gcgtgtgaag 240
 caacggtcga atttgctttg tgggtgaacgt gctattaatg ttaagtgatt cgtttgggca 300
 cgttcagatt gcagtagctg ctataattcc tctagcagac aaatgccag cttgcccctc 360
 agtttttcaa actgattngc atccaaagcc tttgtgaaaa tatctgctat ttgttcctca 420
 gtgtcaacat gcttcagtgt gatcactnta tcatcaacaa gatctctgat atagtgatgt 480
 ctaat 485

<210> 13211
 <211> 478
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13211

aaaagtcccc aatcaaagaa tcggaagaaa gcaaaaggag aaaattccca atcaaagagt 60
 gggagaaagc aaaaacacaa gagaaagaaa attcccgatc aaggatcgaa agaaaacaga 120
 agaaatatgc agaaaggtct ttggaccaga caatatctga acaatacaga attgtcacc 180
 aagtaaacag aaaagaaagg aaaccacgac ctanagtgat cctctccctt tgattgcaa 240
 ccaaaatcct gtgcgccggt gacttgtcca gctcacacta acaaaaaaac agaaaaggaa 300
 aaggccaaga aactcaaag ccaaatttcc cacaaccat tccaagaaa aaagtcctat 360
 tgatccatga tcacacatgt aatctttgat ntgatagaan atgaattgca aaaccaagtc 420
 atgacatatc tatggttcgg aattaggatg aaacacttac ctatgtgaga ttggacac 478

<210> 13212
 <211> 362
 <212> DNA
 <213> Glycine max

 <400> 13212

ctatgctctt gtgttgtgga acaagctaca aaaagagaga gcaagatatg aagatcccat 60
 ggttgataca tggacgaaga ttaaaaatat catgaggaag cggtatgtgc cggctagtta 120
 ctcaatggac ttgaaattca agctccataa actaacccaa tgcaacatgg gggttgagga 180
 gtatttcaag gaaatggatg tgctcatgat tcaagcaaat attgaagaag atgacgaggt 240
 aactatggct cgatttctta atggtttgac taatgatatc cgtgatattg ttgagctgca 300
 cgagtttggt gaaatggatg atctgcttca catagcaatc caagtggagc aactattaaa 360
 aa 362

<210> 13213
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 13213

ttcaataatc taacttacag agattagcga atcttaataa atatatagag cttaagataa 60
taattaagtt caatagaata aaaaacttcc accccaaca aaactcctgt atggtcctcc 120
tacacaaacc aaaacataaa atacacactc tcgacagcaa aacatttaaa attataaaca 180
tacnggggttg tagacacaat tgacataatg canaaccaaa agtgtgccta tcaacaaaac 240
tagaaagntt tgctcacaat tataataaga tagaacaat gggctttact acaagtgtct 300
attactataa ttttatattg catgactcta ttttatattt actatttaaa ttgtgtggaa 360
tggtgtgcta cattatatta taataattga aaacatgtac acaaatagaa atttatacaa 420
gttctcttag atcataatgg cctgatgaat aatat 455

<210> 13214

<211> 486

<212> DNA

<213> Glycine max

<400> 13214

gctacgatag tacttatgga taacttaatt acttataact actaattaat aaaaatcaaa 60
ttatcttcca atgctattct tttattaatt gagttaatta tccattacta gtcatatatt 120
gaaaaaatgt cctttaaatg taaaaaatga tagacattaa gattgtcttc attgatatat 180
agtctttgcc tctctttttt aatcctaaca tatgatatat taatagtata tttcattttt 240
ttaaaattaa tataattata tattagtatg aaaaaacatt catgattgaa ttataattaa 300
tatgttctta gttcgaataa aattgataca attttcttat aaaatgtctc acatttggat 360
tttatcatat aaaaacataa atattttaca tcaatatcat gataatctac gaattaagat 420
aatataaaaag tataatattt ctattgtaga tttaatgtat attaaacaca caaaccaact 480
tataca 486

<210> 13215

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13215

agcttgagcc anaatcctaa ctcaccatan accttgaccc angatgagaa tgtcaatcct 60

taccctcgga agcaaaanag aagagaagga aaatttccaa tcaaagaata aaataagaga 120
aggataatTTT ccaatcaaag agaaagctaa aaaaagagag aaggaaaatt tccaatcaaa 180
gaaataaaaag agaaggataa tttccaatca aagagaaagc acaacaaaga gagaaggata 240
atttccaatc aaaggaaaaa agagaggaaa ggaaattccc aatcaaagag tgggagaaaag 300
cgaaaagaat agaaagataa ttccaacca aagagtggga gaaagtaaaa ggaaggaaaag 360
aaagctcctg atcaatgatc gaaagaaatc agaagaaatg tgcagaaagg tctctggacc 420
ggacaatatc tgtacaatat agaattgtca 450

<210> 13216
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13216

ngccttgccc cttgatatat atgagggact catggtcgct atgaatgaca aattccttgc 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaaaggta ggaccactta acttttctact aaaataagca attggatggt 180
cttcttgcaa caacacagcc ccaatcccga catttgaagc atcacactta atttcaaaag 240
atatttgaaa gtttggaat gcaagtatga gggcattagt taccttttgc ttaagaatat 300
tgaaagcttc ttcttgtttc tttcctcatt tgaaaccaac atttttcttg agcacttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacacatcg tctataataa cttgctaagc 420
catgataact cctcacctcg atcacagact t 451

<210> 13217
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13217

tgagaatgga gaattgcact aagcaatcac tacgcatagc tctcaactcg aaggtggagg 60
acacatgaac gaaaacacaa ttcatggggc tccgaanaag gggttgagaa tggagaatta 120
cactaagcaa tcactacgca tagctccaaa ctogaagggtg gaggacacat gaacgataac 180

gcaattcatg gggctccgaa aagattgaga atggagaatt gcactacgca atcactacgc 240
 atagctccaa acgcgaaggt ggaggacaca tgaatgaaaa cgcaattcat ggggctccga 300
 atagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcgaag 360
 tggaggacac atgaatgaaa atgcaattca tggggctccg aanagattcg aatggagaat 420
 tgcactaagc aatcactacg catagctcca a 451

<210> 13218
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13218

tcatgttaac ctaataaatc aattcatggt tataacttat gcaaaaatag tattcggcac 60
 acttacatta atgtctttct aaatgtcttt aagcatctgt aattataatc attgtatcac 120
 tggaattccc ctcatntcct tgaactanga ataaagatac gtgcttcctt tatttgtaag 180
 tagcttcac tcaaaatggc tatctgttta aaacatgtat tggattctat tgcagtatca 240
 acaagatgac ccacgtaccc tttgcgtgaa caaagttggt ccttataaca atccacaaga 300
 tacgtacaat tattacagcc taccatgttg ccgccacct gttaattctg cacacagatg 360
 tggagtgcct gatgaagtcc agtgtggcaa tgatctcatt gat 403

<210> 13219
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 13219

tgtgacgatt gttatgtcta atgaaatgta aacatgagca actatgggct ttaagaagtt 60
 attatctgga tttttgttga acaagatggt atacgggaca ttaaaatgca cagaagcagt 120
 aagcaatcta tttatcaagt atactgctct agtgaaggta aaaaaacttg ataagcacgg 180
 aggcttgttt aaaaacagtg agtcctaatt ccacaatatg tctgcgcttc ctttcacta 240
 caccattttg gtgatgagtg tgaggactga tccatctatg agtgatacct tggcttgcta 300
 taaaaatagt gataggtctg aactccactc tccggtctgt ttgaac 346

<210> 13220
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13220

tggtcataac taatcactca gaggtcttat tgangcgcat aatatatcga cacgctcgaa 60
 attgaacaat ggaagctctt gaacgattca aatggtcata tctgtttcac acatagggtca 120
 gattcatgcg ccaaataat ccagacgctc cagattgaac aacagaatct ctcgagaaaa 180
 tccgatggta atgactcatt actcggttgc ccgattcttg agcggttat atcacaanct 240
 ctatattgta cactggaagc tattgaccta ttcaaagggt cataactaat cactcggatg 300
 tctgattgta ggcgctaata tat 323

<210> 13221
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13221

gtggtggaac aagctacagt aggagagagc ttgaaatgaa tagccaatgg ttgatacatg 60
 gacggagatg aaaaatatca tgacgactcg gcttgtgccg gctatttact catgggactt 120
 gaaattcaag ctccaanaac taacccaacg caacaagggg gtagaggatt atttcaagga 180
 aatggatgtg ctcatgattc aagcaaata tgaagaagat gacgaggtaa ctatggctcg 240
 atatcttaat ggtgtgacta atgatatccg tgatattgtt gagctgcttg agtttgatga 300
 aacggatgac ttgcttcact attcaatcct agtggagcat catatt 346

<210> 13222
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13222

aatatatttt atcaagaaaa tcaagttaaa atttataaaa aaaaatgtta cataaatatg 60
 tttatttatg taattttaca ttttanagtt aatctaacia gaataattta tcaaacattt 120

ataattcaat aagatgatgt tcaattttta actattaatt atctttttta gctagttggg 180
 taaacatagg cttagtctct catttcttta taaagaaatt ttcattattga ttntangata 240
 ataagatgtt tatttattct tattgagaag aaatataaaa aatgttttgt tntgaagatg 300
 atggattaca aaaaattaaa cacccaaaac aaaagtaatc taaatc 346

<210> 13223
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13223

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 gcctatgcaa gttgtaagga aaaacaggac tctgcaagag gctgctaggg tcatgcttca 120
 tgccaaagaa cttccctata atctctgggc tgaagccatg aacacagcat gctacatcca 180
 caacagagtc atactgagaa gagggactcc aaccaccctg tatgaaatct ggaaaggag 240
 gaagccatct gtcaagcact tccacatctt tggaagtcca tggtacatct tggcagatag 300
 agagcaaagg agaaagatgg atcccaagag tgatgcanga atattcctgn gatactctac 360
 aaacagcaga gcatatagag tattcaattc cagaaccaga acagtgatgg aatccatcaa 420
 tg 422

<210> 13224
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13224

agcttatagt tattggaggg agaataaaac aatttanaat caattgtacc tttcaagtaa 60
 cgaagaattc tttntgcagc tnttagatga ggagaggtag gagcctccgt aaagcgacac 120
 acaactccca cgcacatag aatatcgggc cttgtattgg ttagatacct tanactcccc 180
 acaagactct tgaagatcgt ggagtctacc ttctctcctt catcaaaatt tgataacttc 240
 aagccacctt ccataggtgt gttcacggga ttgcaatcaa gcatattaaa tntcttcaac 300
 acttcttttg tgtagctntc ttgtgagaca aagataccat tcttcgttnt cttcacttcc 360

attcccaagt aatatgacat gagtctcgta tctgtcatat caaattcacg agacatggna 420
ctcttgaagt ct 432

<210> 13225
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13225

tacatcttat atggataaag caagcttccc gctagtgttt ccttaagttt catgggataa 60
ttgcttcatt tggtttcgat gaaaacccca tggctcaatg catataccac atggtcagtg 120
ggagtaaaat atagtgtctt gttntatatg tagatgatat tttacttgca gccaacgatac 180
ggggtttgct acatgaggtg aaacaatttt tctctaagaa ttctgacatg aacgatatgg 240
gtgatgcatac ttatgtcatc ggcattaaga ttcatagaga tagatac 286

<210> 13226
<211> 400
<212> DNA
<213> Glycine max

<400> 13226

ctaagcttaa cattcaattg tgagcgtctc gtaatattac gggactcaat cagacatccg 60
agtaaaaatt tattgtcggt tggattggct cagagattca acattcaatt tcgagcgtct 120
caatatatta cgggactcat tcagacatcc gagtaaaaag ttattgtcgt ttgaattagc 180
tcacagcttc aacaatcaat ttcgagcatc tcgatataac acgggactca atcagacatc 240
cgagtcaaaa gttattgtcg tttgaattgg ctcagagctt ccacattcaa tttcgagcgt 300
ctcgatatat tacgggactc aatcagacat ccgagtaaat agatatcgta cgttgaatag 360
gctcagagct tcaacattga atttcgagcg tctcgatatg 400

<210> 13227
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13227

actcggatgt ctgattgagt ccggtcatat atcgagacgc tcgaaattga atgttgaagc 60
tctgaaccaa ttcagacgac aataactnta tactccgatg tctgattgag gcccgtcata 120
tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataacttt 180
ttactcggat gtctgattga ggcccgtaat atatcgagac gctcgatatt gaatgtggaa 240
gctctgagcc aattcaaacg acaataactn tntactcgga tgtctgattg acgcccgtaa 300
tatatcga 308

<210> 13228
<211> 497
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13228

cttatactnt atgttaatgg gtatgaagtg ataatatctt gtcaatttat ccactattac 60
ccatactaca tcttggcgag atntggctct aggcaagcca aagacaaaat tcatcaagat 120
acaatcccat ttccactcaa gaattgtcaa aggttgcaat tcatcangaa atttttgaag 180
ttccacattc gctttttgac acctcatata ctttgccatg tactctgcca catttttctt 240
caagctataa caccaaaagt tcttcttcac atcttggtac atntttgtga aacctggatg 300
aaaactcaat cgactcttat gcattnttcc aagatttctt ccttcaacat gctctagtga 360
ggatgcaca nctcattcct tgaatggatg agtccattcg catccttact gaattctaaa 420
ttttgccttc ttctttaact taatcntgtc tatangaatn gatctccttg tgaacctctc 480
aacttggtca aacactc 497

<210> 13229
<211> 288
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13229

taatctactg cctcaattag agtttcttcc ttgtctatca cattangact tgtagggaca 60
taccatata aagcctcaaa atgtgtcatt tgtgggtggg tatgaaactt ggtattatac 120
cataattctg ccattgctaa atgatttgtc cattatttgg gcatatttcc aatagcacat 180

ctcaaataag cttctacgga tttattgaga ttoccaatct atccactatt ttgtgtatgg 240
aaagggtgtgg atcttaacaa tttaacacca tgtgactgca ttaaacct 288

<210> 13230
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13230

tgtgttctcc cttgtagaac tactatctgt attaacagtn gcaacccaac tatctggtag 60
tgatgacaat agaatcaatg ccttcacctc atcctcaaat ntaatctgta ctgactccaa 120
ctgggcaaga atagtattaa attcattaat atgatcaatt acagagttac cttctcccat 180
cttgaggttg aacaactgac gcatcaagta tactttgttg gctacagacg gcttctcgta 240
catatctgat aacgccttca ttaagcctgc aataatcttc tcgtttacaa tgttgaacgc 300
gacgttcttg gctaattgca atctgatcat gccaaagagcc tgtcgatcta gcaagtttca 360
ttcttcttgc cttatngccg ttggcttatc ccttgataaa ggttgatgca gcttcttctg 420
atatagataa tcctctatct 440

<210> 13231
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13231

cgagtcttac tgaaagctgt gccgggtgtt tcactactat tgggtgatgtg tattctatga 60
caagaactat tggagttccc atgacaacca ttgaagccag gctggaatct gtgccagata 120
tgggatatga tgccctctcc aatgtacccc gtggagaaat ttgtttgaga ggaaatacct 180
tggttcttcg ctaccacaag cgtgaagatc ttaccaaaaga agttatgggt gatggctggg 240
ttcatacacg taaaaccatg ttgtcctgta ttctaaatta acatagtgat tggtn gatca 300
gcacacaatt cacatacatg taaaccattg caggtgacat tggagaatgg caatcaaata 360
gggcatgag aattattgat cggaagaaga atctctacta attgtctc 408

<210> 13232
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13232

ctcaagctnt ttattntcac tcgaatntga aattgaattt tggagacaaa ttntcactaa 60
 ttatgattag tgaacttttag ctatggttca gcccaccaat ccaagatcaa ttccaagatt 120
 ctccactaag tgtgcttatg tgtcatgagg catgtaaagc atgaatgaca tgcacaaagt 180
 gtgactatat gatgtggcaa tggggtgtag caagcaaagc atcacctccc cctctaatat 240
 ttaattggat tggctcttctc ccaattcaat taaatntatt tctcaacaca cacatcanat 300
 atggacttaa ttaacgtgan attacaaaac taccctaat acacanacta tagtctaggt 360
 gccctataat accagggctt gaaaatccta catntctang gtacnctacc tacattat 418

<210> 13233
 <211> 359
 <212> DNA
 <213> Glycine max

 <400> 13233

tgattctggt gagaaagaat attcctcatt cctattccca atgcgtccat ttccaccacg 60
 aatggcaggg aaaagtccgg caaccgcaag actagggcgc tacagatgac ttccttgagc 120
 ttgtcaaaag ctgcttgggc tttcggggac cagcaaaact tgtctctggc caggagctga 180
 gttagaggtg ctgcaattga agcatacccc ttaatgaatc ttcgatagaa acctaataaa 240
 ccgagaaagc cccttaaagc tctggtcgag gaaggctactg gccattgttg gattgcttcc 300
 accttcgtcg agactgggtg aacaccaaac tacgagacca aatggcctag atactccac 359

<210> 13234
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13234

gtggtctata taggctgtca natgcattat tactcaatnt cgataaatgt tcataganaa 60
 ttttgcattg gggtgtttta ctttgcataa ttttcattta ttaaaaaata ttanatntct 120

gctctttact ttatcctcca ggttgaatt gctgaactta aaacagctgt tgaaagaacc 180
ggaggtcttg ttgtacttgc tgaaagtntt ggccattcag tgttcaagga ttcactanag 240
cgtgttttcc aatcgggtga ttatgatntg ngctctatctt canagtaagt ctttaaagaa 300
tttcattntt atntnntgta tctgatatac taatattcct gangtgtgtt tcttgttgat 360
gtaataagga taactctact gcataaatta ttattggcta gtgagctact atgttagtta 420
aatact 426

<210> 13235
<211> 303
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13235

gtgactactg cgggtgattt cngcaacccc ggctcgaca ccgtggcgaa ttggttcaag 60
attgagaagt atgaggatgc ttacaagttg gtgtactgtc caagtgtgtg ctacgattgc 120
agttatccat gcagtgatat tggaatatac caggatgaat atggcaaacg tcttgctcta 180
tggtctgaac catacaaagt gaagttccag cgggcttgat tattgaattg ataactaaac 240
tcaataaaga ataatgaata cgtgtaatga actactctat gctcntgctg catatattgg 300
aat 303

<210> 13236
<211> 362
<212> DNA
<213> Glycine max
<400> 13236

gaatcacaaa tttgtacctg tcgcaagggg ttgtggtttg tgctcctctg ctgaccacca 60
tacagacctt tgcccttcca tgcaacaacc tggagcaatt gagcagcctg aagcttatgc 120
tgcaaatttt tacaatagac ctctcaacc tcagcagcaa aatcaaccac agcagaacaa 180
ttatgacctc tccagcaaca gatacaacc tagatggagg aatcaccta atctcagatg 240
gtccagccct cagcaacaac aacagcagcc tgctccttcc ttccagaatg ctgctagccc 300
aagcagacca tacattctc caccaatcca acaacagcaa caaccgcaga aacagccaac 360

<210> 13237
 <211> 397
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13237

agatggacca tntcaagtgc tngaaagaat taatgacaat acttaciaag ttgagctgcc 60
 cggtagtat aatgttagtt ccaccttcaa tgtctctgat ttatctcttn ttgatgcaga 120
 tggagaatcc aatttgagga caaatccttc tcaagaggga gagaatgatg aggacatgac 180
 caagagcaag ggcaaggatc cacttgaagg aattggaggg cctatgacaa gggctagagc 240
 aaggaaagcc aagcaagctc ttcaacaagt tntgtccata ctatttgaat acaagcccaa 300
 gtttcaagga gaaaagtcca aggttgtgag ttgtatcatg gcccaaatgg aggatggact 360
 aaatgacacc actttgtctc aatttagagt ggtagt 397

<210> 13238
 <211> 333
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13238

gacgcaaggc taagcgataa gatactnttc ccactaatc gatgatctga taggggccat 60
 aaaaacgctt tctagttnt gaaacttata agcgatcgaa gtttggcggg aaagtcttag 120
 cttcacatag acccagtcac caattttgaa gttgacttct tgacggtagat gatcagtaga 180
 gttcttcatt cgtgcctgag atcgttcgag tntttgacga agggcatcaa acatatcttg 240
 gcgagtggta aggaggaagt ccacagcctc gactgatgat gaaccaggaa ggtagtccgg 300
 gatatcgggt ggtggcttcc cgtacattac ctc 333

<210> 13239
 <211> 232
 <212> DNA
 <213> Glycine max

 <400> 13239

atataaatat atatcagac tctaacttca tgatattgat gcctatctac gccacatatg 60
aatcattgta taatggaaca ataatatatg gatgtataga gatggaaaag ctgaccttct 120
cgtctattat tgctttatac atagcgactt gctccttggc agcactggta gtgttttcag 180
cttctccttg aagatgcaac tttgacttct tgatgtctct ctctctgtc tc 232

<210> 13240
<211> 173
<212> DNA
<213> Glycine max

<400> 13240

tccgtgtgaa atgttatgac catctgaatt tctcgagagc ttccgatgtt taatattgag 60
cgtatccatc tatgatacgc ctgaatcgga cctccgtgcg aaaagctatg accattcgaa 120
tttctcaaga gcttccggtg ttcagtttcg agcgtctcta tatgtcatgc gcc 173

<210> 13241
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13241

actcagctta cacaatntag ttttctcaca cttgagtctt agaatactaa ttactaagtc 60
ttttctgact cgatgattga aatgatgcat gtttatgtgt gtatccctac aatgccataa 120
tcaagaatca ccaatcttac ttactaaacc actaagttca tgaaatgatg catgtttaat 180
gttttaacat atagatatca cctatccttt tgctaatatg gacaattgtc acaaagttga 240
ctaagtctca agaggttatg ctttagtcca tcaacatata aaacattctt tatttggtgc 300
ttgtactgat tttcaatggt tccttctccc ataatatcc ctttattggt gtcttcaaaa 360
gtgatgtatc ctctttcttt tatacaaagt cagaagtttg aacttgtagc catcatgtgc 420
ctagaccaac cactatccaa gtaccat 447

<210> 13242
<211> 346
<212> DNA
<213> Glycine max

<400> 13242

tgtccatatac atggaagacc ctcatgacat ctacagctgtt attcattgga tttctgatata 60
ggagctccaa gagattaatg ctgtgggatac aagatataacc tggataaggc ctaatgggta 120
tgtgaagagt atgcttgaca gattttttggt ctccggaccaa tggttgtcta tgtggcctga 180
gagctgccaa catgttttgc aaagggatat atctgatcat tgctcaacca ttctgcaaac 240
taacatggcg gactgggggc ctaagccctt tatgggtttt gattgggtggc tgcagcacia 300
agagtatcaa acaatgggtga gggagacctg gactaatgat cagcat 346

<210> 13243
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13243

tcntagtctc aatttgagcg tctcgatata ttacccgggtt cattctgaca tccaagtaaa 60
aagttattgt tgtttgaatt tcctatgagc ttcggttttc aatntggagc gtctcgatat 120
attacaggac tcaaccggac atccgtgtat aaagttattg tcatttgaat tttcttagag 180
cttcggatct aaattttgag cgtctcgata tattacggga ctcaatcaga catccgagtc 240
aaaagttatt gtcgtttgaa ttgatacga gcttccgttg tcaatttgga gcatccctcg 300
ataaattacg acactctgtc gggcatncga gtaaaaagat attgtcgttt gaatattcta 360
agagtttcct gtttgaattt ggagcgtctc gatataattac gggactcaac tggacatccg 420
tgtataaagt a 431

<210> 13244
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13244

tgaatgggtga cctgcgtaga agtgtgagtt gattgagagg caatcattta ttcaacttcg 60
catttctctc gcatccactg aaccaagatt cctattccan aatgaccggt aactgttcca 120
ttttcatttc tctcatatct cagattcatt cataataatc ataacaaccc tttctctaata 180
ctatggagat tgattgctgc agctcctact tcttcagacc tgtggctggc tccaataccc 240

agcanaagat ggtgcgaact cttcttcctt ctctacaccc ncttctggct caccctttga 300
 ctccggcattg ttattccctt caatctttac gaaggtttac tctatccacc ttttacattg 360
 tnntttgtaa gcattcta atgatctcac agtttgatct atctggccac tacggaataa 420
 tccgttacac taatccacta aattatt 447

<210> 13245
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13245

tcacctggtt caagcacgac tntctttctg cttttgttgg cttgccttgc atagctcgca 60
 tnntttctttt caatttgagc cttcacttgc tcatgcaact tcttcacata cttagcttta 120
 gcctgtgcat ccttatgctt aaacatagca atgttaggca taggcaacaa atcaagagga 180
 gtcaaaggat taaatccata cactatctca aatgggtgaac aattagttgt gctatggaca 240
 gcctgattat aagcaaactc aacatgaggc aaacaggctt cccacaatat aagaattttc 300
 tttataacat tctaatcan tatgcctata gtccatttga ctacctcagt ttgaccatt 359

<210> 13246
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13246

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 agacgtatgc ctgtgtggtt gtggatgatt tctccagatt tacctgggtc aactctatca 120
 gagaaaaatc agacaccttt gaagtatcta aagagttgag tctaagactg caaagagaaa 180
 aatattgctg gatcaacaaa atcacgagt accatggcag acagttcgag aacatcgggt 240
 ttactgaata ctgcgcatgt gatggcatca ctcatgagta ctctgctacc attacaccac 300
 aa 302

<210> 13247
 <211> 441

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13247

ctgcagctta gctntgtccc aggcttcatg tagacttgtc caanatcgcg aagtaaacct 60
 cggatccctg tcggatacaa tatcggaagg aattccatgc aacctcacta cttccttgat 120
 gtacaactcc actagcttct ccattctata cttcatattc accggaataa aatgtgcaga 180
 tntggtaagt cgatctacta tgaccacac agcgtcatgt ccacgactag tcttgggtaa 240
 actagataca aaatccatag atatgctctc ccatttccat tccggaattt ccaatggctt 300
 caattctctt gatggtcgct ggtgctcaac cttatgcctt tgacatgtca aacatcttgc 360
 tacatattca gctacatctt tcttcatgtc atgccaccaa anacttctct tcaaactctg 420
 gtacatctta gtcattcctg g 441

<210> 13248
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13248

agtcttgtct tttacatact tatatggaca tctggtgagt atgtaaacag cagtgtagac 60
 tgcttcagcc cagaatgtgt taggtagtcc cttttccttg agcatcgatc tagccatctc 120
 cataactgtg cgattctttc tctcggacac tccattntgt tgaggagaat atgcgactgt 180
 aagttgtctc tcaatgcctt catcctcaca aaatctttca aactcgtgag aggtgtactc 240
 tctgccgcga tcaactctta atacttttat ccgttttcca ctttgatttt caacaaggac 300
 cttgatactt ttgaatactc canagacttc tgatttttct tttagaacat atactcatgt 360
 cattctagag aagtcacaa t 381

<210> 13249
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13249

catgatatat gacgggtctc attctgacat ccgagtaana actaatcgtc gttggaattt 60
 cctcagaggt tctatatttca attctgtgag tctcaatata ctacacgatt caatcggact 120
 ttccagtaaa aatgtattat cgtttgaatt ntctcagagc ttctatatttc aatttcgagc 180
 acctataatt attaaggac tcaattggac atccgagtca aaagttattg ttctttgaat 240
 ttctcagag cttctatattt caattttgag cgtctcgaat tattaaagga ctcaatccga 300
 catctgtgtc aaagttaatt acgttgaatg tctcagagct tctgtttcaa tttgagtgtc 360
 agatatatac cggactcaat cgacatccaa caaaagtatt gcatttgatt ttggagagct 420
 cgtatatttc 430

<210> 13250
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13250

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 aagcgttgac aatttataga gtgatccaag actttcaaact ggatttccgc tgaatttatt 120
 aatagagaga tagagatatt ttaaacttat ctcccataag ttgcggagat tacccaaaaa 180
 agtcggaatt gttccttcaa gttgattacg tgataaatca agttcaacaa gagaagtcaa 240
 atttcccaaa gaagttggaa tggttccttc aagttgatta tatgacaaat caagttcaac 300
 aagagaagtc aaatttccca gggcatcaga aatagtccca tgcaagttgc tggaacttag 360
 gtccaaagac ttgagacgat ganaaccgta taagcaatca cgtatagatg atgagaatga 420
 attgaaagac aagtcaaga 439

<210> 13251
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13251

tgatgcaaca tatggagagg ttaatgaaac aacgagatga tgcgctccat gagagggttg 60
 atcaaatgga gaatagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120

ttcctagaca aaaccgaatt gatggtatta aactcaacat tcctccattt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgccaca 240
 actatgagga ggaccagaag gtgaagcttg cggccacgga gttttccgac tatgctcttg 300
 tgtggtggaa caagctacaa aaggagagag caagaaatga agagccaatg gttgatacat 360
 ggacggagat gaaaaagatc atgaggaagc gatatgtgcc ggctagttac tcaagggact 420
 ngaaattcaa gctccaaaaa ct 442

<210> 13252
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13252

actgtgtgca tgaatactgt tgggatgtgg caaattgtta tgcagttatt gttattccgg 60
 aaggaatgaa ttggcaacaa aagataagat tcttttaaga tgctgatttc tatctatggc 120
 ataacccgta cttattcaag ttaaagggtg acaatttgtt taggagatgt cttactaaag 180
 aggaagttca agacatctta tggcattgcc ataattcccc catatgggtg ccattataat 240
 ggggaaagga caactagtaa agtnttgcaa tccaaattat ttcggccttc aatntcaat 300
 gatgcacaca atcatactca aagttgtgat aaatgccaaa gatccagtaa tacttcatag 360
 agacatgana tgccattata aaacatctta taggttgagg tctttgggta ttggggaaat 420
 tgggtgcatgg aaccttttcc tcatcacatt c 451

<210> 13253
 <211> 351
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13253

ntgagccaat tctaacgagt aataactttt actcggatgt ctgtatgagt ctcgtaatat 60
 atcgacacgc tcgaaattga atgttgaagc tctaagccta ttcaaacaac aataacgttt 120
 tactcggatg tccgattcag tgacgtaata tatcgggacg ctcgaaattg aaagttgaac 180
 ctctgagcca actcaaacga caantaactt ttacttggat gtctgattga gtaccgaaat 240

atatcgagac gctcgaaatt gaatgttgaa cctatgagcc tattcaaacg acaataaactt 300
 ttactcgga tgtctgattg agtcccataa tatatcgaga acgctcgaaa t 351

<210> 13254
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 13254

acattcaact ttgagcgtct ctatatatta cgggactcaa tcagacatcc gagtaaaaag 60
 ttatggtcgt ttgaattggc tcagaggttc aaaattcaat ttcgagcgtc tcgatatatt 120
 tcaggactta atcagacatc cgagtaaaga gttattgtct gttgagttgg cttagaggtt 180
 caacattcaa tttcgagcgt ctcgatatat tacgtcactg aatcggacat ccgagtgaaa 240
 agttattggc gtttgaattg gctctgagct tcaacattca atttcgagcg tctcgatata 300
 ttacggtact caatcagaca 320

<210> 13255
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 13255

gcttggcgtt tatatctttg catgaatata tgctattggg actcaagagt gttatgcaat 60
 agttgtggac aataaattac aaattagctt ggctaagaat ccagttgctc atgggaggaa 120
 gcaacatatt gaaactaaat atcattttct tcgtgatcaa gttaataaag ggagattata 180
 gttgtgtctc tgcaagtttg aacaacaagt tgtagatacc ctaactgaag aatgcaagat 240
 gtaaagaatt gaggagaatg ttgaatgtgg tgtctttaga aactttgatt taaggaggag 300
 tgttgcagag taattcaaag tgtaaccca tgtgtgtgcg tgaactttgt aggtatatag 360
 ttaaattgtga caccctctac cctcacacat aacgaataag aggaaataaa atcatgtgga 420
 aaattttata ataaaaaa 438

<210> 13256
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 13256

gcttatgcat ctcttttcgc accttttttt tattgatggg gtgagccttc tctgtggctg 60
actaactggg ctgtagtctt cttccatcat tatcttgtgc atacagtagg tagggctgta 120
tcctttcaga tctgatatgt gccaccctat tgccctccctg tgtctcttga ggacctccac 180
caacatgttc tcttcctctg ttggtagctc agtgctgac accacaggct tgggtctcatt 240
ctgctctaag aacacatact ttaagatggt gggtaggatc ttcagctcca cctt 294

<210> 13257

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13257

ctcattaaga atcaaagtgc catgaagaat atgtctgtct ttaatgaaag ctgtttgtct 60
ttcatcaatt aagacaggta tgacatgtct caacctgttt gctaaaagct tagctattat 120
tttatacatg cagcctatca aagatattgg tctataatca tttagggact gagggtggtt 180
aactttaggg attaaagcca agaaagaggc attgctgcct ctagggaaac taccattgac 240
atggaactca tccacaaatc ttctgaactc tggtttcagc acaccccaga attccttaat 300
aaaattgaaa ttaaagccgt ctggcccagg ggacttatct ncaccacaac tccacacagc 360
ttccttgagt tcttgggtctg agaaagctaa aatcaactcc tcc 403

<210> 13258

<211> 452

<212> DNA

<213> Glycine max

<400> 13258

ttatagaatg cctgacgaga gcgtctccac ggagaaccct ctctacaagc ttctgcggcg 60
tgtgaagaca ctgcgcgcgc gcgtggtgac gctgggtggag catgatgcca acgccaacac 120
ggcgcggttc gtggctcgag taaccgagtt gtgcgcgtat tacggcgcgc tgttcgactc 180
gctcgagtcg acgatggcac gggagaactt gaagcgagtc aggatcgagg agggactgag 240
tcggaagggtg gtgaactcgg tggcgtgcga aggaatggac cgcggtggaac ggtgcgaggt 300
gtttgggaag tggcgcgcgc gtatgagcat ggctgggttc atgttgaagc cactgagtca 360

gcgagtcgct gattcgatca aagcgcgact cggtagcgct gggaaccgag tcgcggttaa 420
 agtatagaac ggtgggattt gctctgctgg at 452

<210> 13259
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13259

ngttgtcatt gttgcacaat tgcaggagca acgagtaacc ttcctagctn ttccttccga 60
 atcaatcttg cacaactgca gggagaaaagt ccaccaaagt taaaacacaa aagcaatggc 120
 ataaattaat ccattggaag gcataaatat agaatagtca tacaacaaca acaacgcctt 180
 atcccactag gtgggggtcgg ctacatggat caacttccgc cataatgttc tatcaagtac 240
 catacttcta tccaaatcat taagtttgag atcctttttt ataacctctc ttatagtctt 300
 tntgggtctt cctctgcctc gaattggttg ccttctctcc atctggtcta ctctccttac 360
 tacagagtct accggtcttc tctctacatg cccaaaccac ctaagtctat tttccaccat 420
 cttctctaca ataagcgcta ctccaaccct ctctctaata gtttcggttc taaattt 477

<210> 13260
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13260

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 ggaaaagcag agcgtttgga atgatntctt aaatctcaga acgctantgg gaaatgctgg 120
 ttaaaacact aatgccaagc agatataaat ttgaatgaag aatgtagagg ggcgtgtgag 180
 gcaacggtcg aattctgttt ggcttaatat tgaacgtgct attaatggta agtgattcgt 240
 tcgggcacgt tcagagtgtc gtagttgcta taattcctct agcanacaca tgcccagctt 300
 gccctcaag ttttcaaact ganttgcatc caaagccttn gtgaanatat cttgctattt 360
 gtcctcagtg tcaacatgct tcagtgtgat ctacttatca tcaac 405

<210> 13261
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13261

tgaagacaag actatacgag gtatcttcct tgggtatagc attatctcta agggctaccg 60
 tgtctacaac ttgcaaacta agaaactcgt catcagtcga gatggtgaag ttgatgaata 120
 tgcttcatgg aattgggatg aagaaaaagt ggagaagaac gttcttatac ccgcttaact 180
 acctcaagaa gaatatgagg aagaagatcc aggtgaacca ccttcaccta catcacaaca 240
 acaagatcaa gaactatcat caccagagtc tactccaaaa cgagtaagat ctttggtgga 300
 catatatgaa acttgtaact tggccatact tgaacctgga agcnttgaag aagcgtcaaa 360
 gcatgaagta tgggtcaagg caatggaaga agagatacag atgatcgaga aaagcaacac 420
 atgtggagta gtnaatcgt 439

<210> 13262
 <211> 358
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13262

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 cttgatcttt tgcctatgcc taatgtttct gtttttaagc ataaagaacg tcaagctaag 120
 gctgactatg tgaagaagct tcatgagaga gtctaagatc atattgagag gaataataaa 180
 agctatgcta tacaagccaa caaagggaga gagaaggtta tcttctaacc cggagattgg 240
 gtttgggtgc acatgataaa agaaaggttt tcggaacaca agaaatcana tcttcaacca 300
 aggggagatg gaccatttca tgtgcttgat agaatcaatg acaatgctta caaagttg 358

<210> 13263
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13263

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ctatggcatc atttctggcg ctaaactgct gggagttgga agccatcttc tcaattaaat 120
ttctggcttc agcaggagtc atgtctccaa gggctccacc actggcagca tctatcatac 180
ttctctccat attactgagt ccttcataaa aatattggag aagaagctgt tttgaaatct 240
gatgggtgggg gcaactggca catagtttct taaatctctc ccagtactca tacaggctct 300
ctccactgag ttgtctaata cctgagatat ccttcctgat ggctgtggtc ctggaagcag 360
ggaanaattt ttctaagaat actctcttaa ggtcatccca actcgtgatg gaccttggag 420
caaggaata 429

<210> 13264
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13264

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tagttggtaa caaatctatc aagctcccag agagtctcag catccacact atcaatgtcc 120
acttcaattt catcgtcatg ttgattaagt gctgaatttc tcttcttaat gatttgtaca 180
atagcatcaa gcttctctga aggcaagctc tgaagggttag tgcttagttt ttgcttttcc 240
tcaaagtca tgtctctttt atgaggatct tttgccttg gctnttttgg agctgggggt 300
ctacttgatg gagtaatgct catgagtctt ggagtctgtg tcattgattc tgatctattc 360
aaaatccttc tcatatcaag aggtggtggt gtaatgcaga aacccttct 409

<210> 13265
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13265

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tcagattctg catagtttgt gaaggcaatt tgtcaaaatt ttgggactga gcttggttca 120
actgagtagc ctttgcccc atctgatttg tcagactctg aatagaggct cttgtctctt 180

gctgaaattg catattctgg atggacattt gtctcactaa ctcttctaag gaaggttgag 240
gaggagcctc agttgcttgt tgtcattggt gtgactgttg ttgttggtgc tgcattggag 300
gaggaacata tggcttggtt ggactagcaa cattctggaa aggagggaca g gatgttggt 360
gttggtggagg acttgcccat cttatatctg gatgatatgt ccaacctgga tcgtatctgt 420
ttcttgaaag atcataatta ttc 443

<210> 13266
<211> 462
<212> DNA
<213> Glycine max
<400> 13266

ttaaaactaa gctgccaaga atgtaaccta taacggacgc tcttggtgggc tcatacgaga 60
aaatctttgg tattgtaggc attggatcca tgagtaatac atgggatcaa acgttgccat 120
attgttcatt taatccacgc aagaattgca tggctcgatc ttcctgcttt cgttgagcaa 180
tagtggtgag gactgaacaa gtgcacttaa tagtgcaaga acaaatggga tcaggtgtga 240
aattctcgat ttcgtcccat atgatgcgta gcttcatgaa atattccgta acagagagag 300
taccttgctt catogatgat gcttcttgta gaagatcaga gatccccttg cgcgtatcga 360
gacttcaaat cactctagat ttcttctact ttgtccattc atataatact ttgtctaatt 420
gaaatggata ccgaatgaac gatccaagac accaccatgt ta 462

<210> 13267
<211> 464
<212> DNA
<213> Glycine max
<400> 13267

tactcagccc tgtatggatt acacatatac tcgaatogat taccagagct ttttttcact 60
atatattcgc aacagtcaca tctgtttatg tggttcttga atggctatca aaggcctata 120
tatatgtgac ttaagacacg aattcgatga gagtttttca gaacaaaaag gtcttatcct 180
cttataaagc aaaatcgtct aatcctctta caaatacctt ggccaaatta ctctgtatc 240
aataaggaaa tatctgagtg ctacattgt tcaatctatc tctttcaaca gagatcacct 300
cttctcttct tctatattct gaaaagggat taagagaccc acggtctctc gttgtgaaac 360

aattcttaac acaaaggaag gaattgtctt gtgtgttttag aacttgtaa aggaattctc 420
aatatagtgg aactctcaag cggctgattg ggactggact ttgc 464

<210> 13268
<211> 435
<212> DNA
<213> Glycine max

<400> 13268

taaacattca atttcgagcg tctcgttata ttacgggact ctatcagaca tcttagtaaa 60
aacttattgt cgtatgaatt ggcttaaagc ttaaaccattc aactttgagc gtctcgatat 120
attacgggac tcaatcagac ttccgagtaa aaagctattg ccgtttgaat tggctcatag 180
gttcaacatt caatttcgag cgtctcgatt tatttcggta ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgag ttggctcaga ggttcaacat tcaatttcga gcgtcccgat 300
atattacgtc actgaatcgg acatccgagt gaaaagttat tgctcgtttga attggctcag 360
agcttcaaca ttcaatttcg agcgtgtcga tatattacgg gactcaatca gacatccgag 420
taaaaagtta ttgtc 435

<210> 13269
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13269

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gcctattcaa acaacaataa cgttttactc ggatgtccga ttcagtgcgc taatatatcg 120
ggacgctcga aattgaaagt tgaacctctg agccaaccca nacgacaata actntntact 180
tggatgtctg attgagtacc gaaatatatc aagacgctcg aaattgaaag ttgaacctat 240
gagcctattc aaacgacaat agctntttac tcggatgtct gatggagtcc cataatatat 300
cgagacgctc aaagatgaat gttgaagctc tgagccaatt catacgacaa taacgtttta 360
ctcggatgac tgattgagtc ccgtaatat 389

<210> 13270
<211> 407

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13270

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 cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaatgaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagaaagg atgacagacg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg anagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360
 tgaactcatt ggttccttc anacctttga gctangactc tcggata 407

<210> 13271
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13271

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 tccatgtctc atcaaattccc aatctatgca acatatgaaa atggaatctc caagaaaaat 120
 aatcatactc cttttcaaag tctaccttga accagagaca cttctttttt atcctagctt 180
 catccactac ctcacatctt ctttttcaaa ggccaccaat acaataagca ataattgtct 240
 cccaccaaag acaacacatt gtctattatc aattacatca cctaaagccc ttctcattct 300
 attggctaac acttgtgcca aagatttata caaacatcct actatagaaa taggtctaga 360
 ttctccaag ctntgaggat ttttacattt agcaatccaa ataataaagg agggaattat 420
 atctctaggt aacaccccat gtgcatggaa ttgctntaac tacttcaata agtctccc 478

<210> 13272
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13272

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gagtttatga gcaactcatg attcaacaga tgtgacatgg accattgctg ctatgttaag 120
aaatatacta atagttatgt tatcgctatc gcgtatgttg atgacatgtt gattgcagga 180
tctagtatga cataaattaa catttgtgaag cagtagttgg tagaaaactt tgaaatgaag 240
gatcttggtc cagctaaaca aatccttggg ataagaattc ttagaaacag atcagaagga 300
atthttgaagt tgtctcagga gaaatatata cacaatttgc ttgacagggtt ttaccttgaa 360
gattctaaga ccaggaatac ccctttggga tcttatttga agntttcaaa gaagcaatct 420
ttgcagatga tgaagaanaa tgttacatgt caagagtacc atatgcatca t 471

<210> 13273
<211> 241
<212> DNA
<213> Glycine max

<400> 13273
atctgtttct gtcaccaat cccaagtttg catatcggtc ccaaccccat ccatacaaat 60
tcccatcttt agtgatttgt aactatgtt cagcaccagc cagcaccatt ttgataggta 120
tttccttgca aaatacaaag ttcattgtct caagtagtta aggaataat aatctgtttg 180
atacatatac ttttctgttg tcaattaatt atataatgca ttgtcatgag catacattaa 240
c 241

<210> 13274
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13274

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gcttcttaca ccaatgtcac gaagagtgtg atggtcagat tcataaagaa ggaactgatt 120
tgtcgatagc gactccctag gaagatcatt actgacaatg gcaccaatct gaataaaaaa 180
atgatgcatg aaatgtgctg ngatttcaag atccagcatc ataactccac cccctatcgg 240
ccaaagataa atggggctgt ggaggctgca aataaaaata ttaagaaaat tattcagaag 300
atgacgggtg catacaaaga ttggcatgag atgttgccct ttgccctgca tggatatcga 360

acctcggtag gaacttctac tanggcggca actctgtatt ccttggttta tgggatggaa 420
gcggtactcc catttg 436

<210> 13275
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13275

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cgcaagagtc tgtggtttat gtcctctac tgaccaccat acagacctct gcccttccat 120
gcagcaacct ggagcaattg agcagcctga agcttatgct gcaaacattt acaatagacc 180
tccttaacct caacaacaaa atcaaccaca gcagaacaat tatgacctct ccagcaatag 240
atacaacctt ggatggagga atcaccctaa tctcagatgg tctagccctc aacaacaaca 300
acagcaacct gtccttcct tccaaaatgt tgctggccca agcagaccat acattcctcc 360
accaatccaa caacagcaac aacccagaa acaacaacaa gttgaggctc ctccgcaacc 420
ttccctcgaa gaacttgtga tgcaaatgac tatgcagaac atgcagtt 468

<210> 13276
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13276

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tggtctctcc gtcattgagg tgccacttga gctgccaaagt ctctccacct ttgggcgtat 120
tcttttgaaa gattcgtgcc ccctttttgc acatgttctg tagttgcatc ctatccgaag 180
acattatact gaaactgcct aacgatggca accactatgt ccttccaaga atggactcgg 240
gaaggttcca aggtactgta ccaggttaaca gctacccag taagactttc ttggaaggaa 300
tgtattagca attcctcatc ttttgcatat gcgcccatct tccgataata catctttaga 360
taggacttga tgcaagtagc cnccttgtag ttgtctaagg ccaacacctt gaacttggaa 420
agtgtgatga tattgcgtac taggaacaac tct 453

<210> 13277
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13277

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 caacatgaat aagttgccag gttatagttg gggtgatatt aaaaataaaa cccatgtggt 120
 tggggttgaa gactgggtctc atcctcaaaa gaaagaaatt tatgaaaagc ttgataatct 180
 tcttgatcag ataaagcgaa tcggttatgt tcctcaaaca gaatcagttc tgattgacat 240
 ggatgacaat ttgaaggaga agcttcttca ttatcacagc gagaggatgg cctgggcatt 300
 ntcattacta acctgcccaa ctggtatgcc gatca 335

<210> 13278
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13278

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 accgatgttg aaagtaccaa tggtgaatgt attattgtta acatcgattt tgaaaatttg 120
 atgttaacat aaaaatacta acatcagttt tctcaataac cgatgttata taaaagaac 180
 taaagaaaat aagtgtatgc atgatgaaca ttgacatctg ttttctataa aaactcgatg 240
 taatgtaatt tattaacatc ggttttctat ataaaaccga tgtgaacgtc catcatctat 300
 acacttattt tgctgtagtt agttatatat aacatgcggg atctataaat aacagattgt 360
 aaagtttgta tatt 374

<210> 13279
 <211> 217
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13279

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 gatatggagc aattcaagag gtggaaactg caatacaaca accttgaggg agcactgaag 120
 agaatctgat gttgactgaa acntgtggac cggagcaaat agctgatggt gtgagccgct 180
 ggaccggtat accagttaca aggctttgcc aaaatga 217

<210> 13280
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 13280

gctttggaga cccactgcag gaagctattc tcgaactaat atgcttcaga tgaaatgggt 60
 cattttgtaa tttctcaatt cagttgtcaa ttctggacga tttcctgtta atttatcctt 120
 tcacttttgg ttatagatga ctgctccac ggttgaactc actgttcaat atgtggagaa 180
 gttgagggaa atgattccac tttatgaaat tgtcaatgaa cgtatcaaca tcaatgacat 240
 ttaatgggca cagcactgta ttatttcaag ctctcatata gcaatgcaag tgatgggaag 300
 ctattgtgat agatctccag acgtaactgc cactctagca attgcaaatt cttcgaacta 360
 gctgatttat tagtgatatg tatcttgagg ctacattaca a 401

<210> 13281
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 13281

acactataat actcagctag agccaattca acgacaatag ctttatactc tgatgtctgt 60
 atgagtcccg ccatatatcg agacgctcga aatttaatgt tgaagctctc agccaattca 120
 aacgacaata actttttact cggatgtctg attgagtcct gtaatataac gagacgctcg 180
 acattgaatg ttgaagctct gagctcattc aaacgacaat aactttttac acggatgtct 240
 gattgagtcc cgtcatatat tgagacgctc gaaattgaat gttgaatctc tgagccaatc 300
 caaacgacaa taacgtttta ctcgatgtc tgattgagtc ctcgaatata tcgagacgct 360
 caaacatgaa tgttgaagct ctgagccata tcaaacgaca ataacttctt acacggatgt 420
 ctgattgagt cccgtcatat atcgag 446

<210> 13282
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13282

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 ccaattttaga gtaagattct cttgtggttg aggtttgtct atgaggggtgt agtttgacta 120
 aaatccaatc tctaattctg aagcttacat ctctgtctatg attattcgca aaatgcttca 180
 tggttcctat gcctcgagca acttcttntc tgaagctttg aacataacct cttgattaac 240
 caagaaatca tcaactgctt cgaccttcga tgaccccata atgtattgag ggggac 296

<210> 13283
 <211> 456
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13283

agcttccatc aagttccctc caccttggan aggatntgac ctcaaattccc gaggtttttc 60
 atactctggg ctcttccct caacacctgt aaaaagaaca aaaacacatg tattagtggg 120
 gtttggtttg ttgaagtaag gtaaggcttg aaaattcatt tcctgngcat cttcccatga 180
 aggaacatgg tttctcatca actcaatgag tgggtgctaca agtatagaaa aatatgggac 240
 aaaccttttg taaaagtttg ttaagtcatg gaagccccaat attnttctta tacttggtgg 300
 agtgggccac tcangagtga cttttattct cttaagggtc atgggaacct cttgaccact 360
 atttaaaaaa ttaagganatt taatgcaata naggctacct ttttctataa ttntgtgttg 420
 attattccta caaaataata cgacaaacct aaagtg 456

<210> 13284
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13284

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aaaccgcaat aactnttaac tcggatgtcc gactgattcc cgtaacatat cgagacgctt 120
gtaattgaaa acggaagctc tgagcaaatt ctaacgacaa taacttttta ctcggatgtc 180
cgattgaatc cagtaatata tcaagatgct tgaaattgaa aacagaagct ctgagcanat 240
tcaaaagaca ataacttctt actcggatgt atgattgagt cccgtagtat atcgagacgc 300
tcgaaattca gaacagaagc tctaagcaaa ttcaaccgac gataactgtt tactcggatg 360
tctgattgag tctcgtataa tatggagaca c 391

<210> 13285
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13285

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ggccttgatt ttctcaagat ccacttgac cccatttcta ccaactacaa accgtaagaa 120
aactatatta tccacacaaa aaagtacact tctctatata tgcatagagg gtgtttttcc 180
taaggactga aataacttgc ctgagatgtc ctaagtgtc atctaggctc ctactatata 240
ctaaaatatc atcaaaataa gcaactacaa atctacttat gagatccctt aagacatgat 300
gcataagcct cataaagggtg cttgggtgcat tagtgagccc aaaaggcatc actagccatt 360
cataccaacc aaacttggtc ttgaaagcgg gnttccattc atcaccc 407

<210> 13286
<211> 443
<212> DNA
<213> Glycine max
<400> 13286

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tttcctttga tgagtctaata gctatttctc caagaaagga tatttttagat gatgttacag 120
aatctttaga acaaatgcac attcatggac aagattctaa aggaagaagt caaatcaaat 180
gatgaacttc caaagaatg gaaagcttca aaagatcatc cccttgacaa cattattggt 240
gatatctcag aaggggtaac aactagacat tctcttaaat atttatgcaa taatatggct 300

tttgtgtcta tgattgaacc taaaaatata aatgaagcca taatagatga tcattggata 360
 gtagctatgc aagaagaact aaatcagttc gaaagataca atgtgtggga attagtaaag 420
 aaacctcgaa actaccctat cat 443

<210> 13287
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13287

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 atgggtacaa taaccgaaca aactcaccac attacggtgc tgtacacgcg ccaacgactn 120
 tgcctcgtta acgaactgcg atcttccttg attcgatcta tgcgataact tcttcaccgc 180
 attctctctc ccatcatatc aatttaccct tcacaaatca gtataatatt ggagagaaca 240
 catattagaa taagtctcag attgtttgct taccaagtaa aaccagatat tagtaacatc 300
 tatttatccg tgttgaactt tctccaaaat tataattcca attcgtcaac ctttctgggt 360
 atagaaaatn gcttccttaa tccctaataa aattcatt 398

<210> 13288
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13288

ctgatttga ctggcacggt cattatctaa cgagcacaat gcanatctta caaatcgtgt 60
 catcacatta tggtagcagg aatntatgtc cataataggt ttttaatttg acctaagtgc 120
 ttttgggagg gttgcatcat gaacttatgc ccatacacat tattgattta tttcattata 180
 ttattagacc ccttgagctg ctgcttggga caacaaggta tgggccacct gtagatatgt 240
 ggtctgtagg gtgcattttt gcagagcttc ttcattggga gcctatcttt cctggaaaag 300
 atgaggtagg tgataatatg tataattctt gtctgatatt acgggtaaag ctaaagtgg 360
 tgtgaaattg tattgaggcg aggcattgct ctatccagta tggtatcact actcagtata 420
 caagatgtc 429

<210> 13289
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13289

agctngtcac gaaacagagg gttattcttt atcaatttct tcagtcagcc agcattatgt 60
 cttgtgcaga atttgtttct ccatacttgc cagcaacaat atttttccca attcaatttt 120
 aactagcaac aaaataaatg actaagcaat aagcaaattg gaaaaaaata acacaacagc 180
 caaacaccac agataaccta cttgtccaat gcttctaagt acttctactt tcgtatctca 240
 aagaagatct tcatggagta tttattgtca tccaacttca taaaaccaga caagtactta 300
 tccaccttat cccactccct atttctcacc atatcctcaa aatacctcat gttaaagaaa 360
 aatcccgatt attgctcctt caagttcaca aattcacaaa ttcacatata taataacaaa 420
 ttagactana tata 434

<210> 13290
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 13290

aatgaataaa aaatctgcac ctatctccag actttgtgtg atatgctcct atgccgacca 60
 ccacacagac ctatgtcctt catggcaaca atctgaagca attgaacagc ctatatctta 120
 tgtcgcaaac atctacaaca gacctctctt acctcagcat caaaatcagc cacaacataa 180
 taactatgac ctcttcagca ataggtacaa tcccgaatgg aggaatcatc ccaaccttat 240
 atggtcgaat gcttcacaac aacagcaaca acaac 275

<210> 13291
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13291

gcttgatcan attcaacgac aatagttttt ctccgatgtc caataaagtt ccgtaatata 60

tcgagacgct ccagattgaa attggaagct cgtatcaaaa tcatacgaca ttaacgtttg 120
 actcggatgt ccgattgact cccgtaatat atcgtgacgc tccaaattga aaacagaagc 180
 tctaagacaa ttcaaacgac aataactctg tattcggatg ttcgattgag tcccgtata 240
 tatcgagatg ctccatattg aaaacggaag ctcgtatcaa aagcaaacca caataacttt 300
 ttactcggat gtccgattga gtcccataat atatcgagac gctcgaaatt gaatacggat 360
 gct 363

<210> 13292
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13292

agcttgtcaa aggatggaca gttccattag tttctacagt ctatgtagca tcttttctcaa 60
 ctgattcttc aaaatctcca aaggctcctt gagctgtttg tgcaagttgt attgccaaac 120
 ccattacaac ttctcttatt ttagtgcaag ctcttccttt aaagagtatt tcaatctgca 180
 aattatccag agcaaaagtt gataataagt tacatccatt gaaatatgcc tcctattttc 240
 taattaacca natgcaaaac agccacaaca acctataatg catgacctga acacaatata 300
 tcagacatct tgtacttgtg acatcattat tgccatggct ttggtataat tctatcacat 360
 gctgactgaa aaattgttgg gagtataact agtaagagac ctactttaac gaggagaaaa 420
 gaaagtat 428

<210> 13293
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13293

agtcacctga ngcatcaagc ttggcccaaa cttcttgata attggctgtc acacaacca 60
 gctnttagaa ctcacccta ctggaattcc aagataagag aaaggaattt ccaactggct 120
 acaattaaga aatagagctg catccctaca ccaaccact gatttgccca cacaaccgaa 180
 atggcttttg gcataattta tcttgagcct agaaaccatc tgaaaacacc tcaggataat 240

ttttaggact ctaacattat ccttgggtggc agccccaaaa aatagagtat catctgcata 300
 ttagagtatg ttaacttcct ccttttgact tcccacttgg tagctgctga acaggatctt 360
 agatatggct gtgttcatca nacctgtaag gccttcact actatatnga aaagcagagg 420
 tggtagggaa tcaccctgcc ttaagcctct cttaggggat cacccttctt agtgnagactt 480
 ccatttaata aaatggatat 500

<210> 13294
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13294

agcttgctca caagattctc cttgcctggc acttcaaaac cttctgggtg ggtcatatcg 60
 atgcaagctc cattggagct tgtangccta ngatcttctt catcaatgga ttcctttgct 120
 tcttgaaga taaaaggcag cggaatggag aaagaagaga gagaggagac tccacttcaa 180
 ggagaagata agtctagaag aagctcacca ccataggagg ccatggataa gagcttggag 240
 gaagaaggag atgaatgaag ggagggggag agaagagcac gatattntgt gctcaaaaag 300
 agctctgana tctgaagtta atattcaaat gatcaatagt ngaaaaaatg cacacacatg 360
 acctctatta tagcctaagt gtacacaaaa ttggaaggaa ttcaaattca cttgaattga 420
 aatgaattg 429

<210> 13295
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13295

agcttctccc acanagacag tatcatctgc atattgcaga atgtttactg gcaccttctg 60
 ctntcctact aaataactgc tgtacagacc tttggataga gctgtcctca tcatgccagt 120
 caagccttca gccacaatat tgaaaaggaa aggggctaag ggggtccctt gcctcaaacc 180
 tctagtgggg gaaaattcat ttgaggggct gccatttatg agaatggata tagaagctga 240
 ttgattgcaa gcattgatcc atttcctcca tataggacag aaccccatc tgaccatcat 300

ataatccaga aagttccatg anacagagtc ataagccttt gcaaagtcca ctttaaacac 360
 caaagctggg ttcttacttc ttttagcttc ctctattgct tcattgagaa tcanagttcc 420
 atgaaagatg tgtcta 436

<210> 13296
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13296

agctngaatc ttganactag attcttgant tttgaaatca aatttcctct tgaaccttga 60
 agtgttcttg attcaatctt gaactgattc tttgattctt gagatcatca tctttgttat 120
 cattaattgt tcttgatctt tgagctttnt gtcatcacct ttgtcatcat cagaacttct 180
 ttgaatcaat cttgattcat catgaagctt gcttctacaa ttatatcctt actcactcta 240
 gaaccatcaa acaccatagt tttatcaaag cagcttaaca agacatgggt ggaagataac 300
 cagtcctaac ccagaataac atcaatttgg ctgagaggcc aacanattag atcaatcact 360
 aatggtctac cagaaatttc cacaggacaa ttc 393

<210> 13297
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13297

agcttgcttc tacatataat agatatagaa ggtgtggngt gtatatgtat tatctattgt 60
 aagatgttac attgctactt aaaagaaagt cctctaagac cacaccacat gccttgactc 120
 tcatttgggtg tcatgactcc tatctcaaac tctccacca ataattctag taaccaatta 180
 atggtttctt acatatcctt ctatctatat atattcaaaa ttctcaagag ttttcttaa 240
 ccactcgctt ctcaaataca taccacaacg ggtatttgggt tacttggtat tagagaggca 300
 ttattgcagc anatcaagca ttttcaaaag ctaatgatgc accanagggc tatcttgcca 360
 tatatg 366

<210> 13298

<211> 463
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13298

agctntatac ttcacaaaga tgtcagcaac atcagatnta aacttcataag aataaatcca 60
 acacattctt gaataatcat caatgaatgc aatataatac ttactgtcat tcaatgatgg 120
 tgttttcatg ggtcctccca catctgtgtg tactaactgc agcttttgtg aagcccttga 180
 agtcttggtt tgtaggaag tctggtttgc tttccatatt ggcaagcaac acattntgga 240
 ggtaaattgt ctaattctgg catatctttc actatattgt tctttctcat gaaaagtagt 300
 gcagcatgat gaaagtgcc caatctcttg tgccaaagca ttgtattatc atcctctatg 360
 tgtacagctg ctngctgctc ctcatcattc aagtccaaga caaaactctt gcctttcatt 420
 tgaactntga tcatttctat tagtggtgca tctttaatca cac 463

<210> 13299
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13299

tgcacgctgc agcttaacat cataccactt tcagggtgct ggaactactt cacatggatt 60
 tgatggtgcc tatgncagtt gaaagccttg gaggaagat gtatgcctat gttgctgtgg 120
 atgatttctc cagatttacc tgcgtcaact ttatcagaga gaaatcagaa acctttgaag 180
 tattctcaga gttgagtcta agacttctta gagagaaaga ctgtgt 226

<210> 13300
 <211> 311
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13300

agcttcgatg atcagttagg atggtgaagt ggtgccctag tangtactgc caccacttct 60
 tgacggcggc ggtgatggct gctaactcac aaacatatgt tgacgaatcc attaacttgc 120
 ggcaaaacta tntgctaaag aatgagatgg ggtggcctcc ccgctcaac actgccctca 180

tgccggaccc cgacgcgttc gtcaccacaa cataaggaac tttgaaatta tgtaaggcga 240
gaacacgcgt tgccgagata gcgtccttga gggtctgatt agccattcat actttgaaga 300
ccactaaact g 311

<210> 13301
<211> 484
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13301

agcttctaga ctntatacaa gaatgaagtt ctgataccac ttgttaaaca agtggcctca 60
gatatcttaa gaaggcgggt tgaattaaga tattgcaaac tatttcccca attaaaaatt 120
ctatttcaat ttcaatgcaa gttgcaagtt cccttaaaaa tgaactttta aataataatt 180
cacatagaaa aatctgaata taaatataaa tcaataataa atgaaattct gataccgatg 240
acagatgtcg taccggatgt cagcacatca cacttcagaa catgcagatt atatttgaca 300
gtatgaacag attanacaag ttaataacac aagagaattg ttaaccaggt tcggtgcaac 360
gtcacctaca tctgggggct accaagccag ggaggagatc cactaaaata gtgttagttc 420
aaagatctaa cagccactgt ttacaacctt ctcacctaac cactacccat gcaacctcta 480
ccta 484

<210> 13302
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13302

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acccaaaagg tatgccagta ggatcttttc tgggtttata ttatattaga ttatctattt 120
cttggaactt acttgtccag tttttggtat acttttgaag gattcaagac tcgagttaat 180
ttctctagca ttcttgatcc aacaagaatc tgtacctata ttgctgaagt cattgatgct 240
ggttgtcttg gacctctttt caaggtatca tgcctaacca tgtttctgtc ttacgtctga 300
aaacgaaaca atattgacaa gtcactggtt cttgataata ctggaatcca tgtagtcaac 360

ccaccacaat atggtgtntg ttgcttggtg tgacattttc ag 402

<210> 13303

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13303

ctctatggga ggtgactatt tatcagacac aagtctatta tgagacattc ctatgagagt 60

tnttaatggt ggtctataag cccaaagtgc attatctagt ttaattgccc aatctttcct 120

agatgcacta actgggtttt caagaattat ttataactcg ctattggaca attctatttg 180

gccctagtt tgtgggtgat atggggttgc aagcttttga gtcaccata ttagccaag 240

aggccattaa acaacttatt acagaagtca ggcctttgt cactaatgat tgctcgaggt 300

gtgctaaatc tggtgaaaaa tattttcttt ga 332

<210> 13304

<211> 294

<212> DNA

<213> Glycine max

<400> 13304

tggtcataac ttatcacacg gaggtccata tgaggcgcat aatatatcga gacgctcgaa 60

attaaacaac gtatactctc aagagattca tatggtcgta acttatcaca cggaagtccg 120

attcaggtgc ataatacacc gagacgctcg aaattgaacc acgaatgttc tcgagaaatt 180

caaatggtca taaattttca aacggcagtc cgatttaagc gcattataca tcgagaatct 240

tgaaattgaa caactgaagc tatccagaaa ttcggatggt cgttacttgt caca 294

<210> 13305

<211> 228

<212> DNA

<213> Glycine max

<400> 13305

agcttcataa ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgag 60

caaaacgtta ttgtcgtttg gattagttca gagcttcaga attcaatttc gatcgtctcg 120

atatattacg ggactcaatc agacatctga ggaaaaaagt tattgtcgtt tgaatttgct 180
gagagctcca cattcaattt tgagcgtgct cgaaggatta ccggactt 228

<210> 13306
<211> 489
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13306

gcttcctcgg ggccattcct gcgaaggcta tacattggaa agttagttta caatatatat 60
aacaatcatt acaaacaagg gccaaacaac acttctcatg gcacgagtgt caacatgcac 120
tatataaaat aatcatattg gggtcgtgct attttatgac acatacgtat ttgcacacat 180
aaaaattttg tgtgaagcat ttacgacac ctatccatgt acatatnttt tgacaaacct 240
tttcatgcta catcctatat atatacacac atttnttgga aggcttcttt tgttacctac 300
tcacaaatac acatatnttg agaaacactt ttacgctacc catccaacac tttgtaaggc 360
acttcatgct atatatattc atattatgca aggcattntc atgctatata tattcatatg 420
ttgcaaggca tnttattcaa catattgcaa ggcatttcca tgctatatat attcacatat 480
atacatacc 489

<210> 13307
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13307

cttgacagtg cctgatttat tgaccagcta ttntgcaccc tttatatctc tacagaacca 60
aatcaactct accattntaa catacttcaa acagcaatgc cgaacagatt ttattagcaa 120
gatagaatgg ttgctttcat taaacatcct tgtcacctgt ggatggtttt gttactatgt 180
aagtaagcta atccccgagag aatatgcctt gtaaaattgc aaaccacaga ttctgtcata 240
gctccacaat ggtaacgcat aaatttactg attgatcccg ggtagacata ctccatatat 300
atgtacatat gatcgccaac ctgaaaatac aaatgcttca aaacgtcaat ctaatttact 360
atgacaaata tccttaactt ccattggtgt atcgatatat ttgaacaaaa ctaacaacaa 420

aaataac

427

<210> 13308
<211> 341
<212> DNA
<213> Glycine max

<400> 13308

atgaagacct tcttaattat tatgctatca tggaacatcc tgggtgtgttc tttgtagaac 60
ctgacattct catacactat taggcggatc ctcatctaac tcactcagtc gctactatct 120
ttcctcacca gcttgatcca taaagaagtt gcaactcttc actgcccaat atgctttggc 180
tcatttcaac tagaagatga catgcctttc caaacacaa ccgataatga gacattctta 240
tgggtgcttt gtatgaagtc ctatgaccca aagaacatct tctagcctgg tactccaatc 300
tttctgcta ggctgcacaa ttctcgctaa aattctcttt a 341

<210> 13309
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13309

gcaatcttga aattgaacaa cggaagctct tgagttactc aaatggtaat aacttgttac 60
acggaagtcc gattcaagcg cataatatat cgagatgctc ganattgaac aacgaatgct 120
ctcgtgaaat tcaaaatggc cataacttgt cacacggaag ttccattcag gtgcataaca 180
tattcgagac gctcgaaatt gaacaaccac agctctagag aaattcaaatt ggtcatatct 240
tgtcaaacgg aggtccgatt cagccacata atata 275

<210> 13310
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13310

agcttaacag ttaatntact aattaaatat ttctaattcta ataagtcagt taacataaaa 60
aataataatt ntgtaacttt taattaattt ttcaattttg atcaaaataa tttatcaatt 120

attttgatca anagttacta tagaaaatag ataaattaaa attaaacaca tttaaatact 180
 gtcataaaat atatoctatn ttttcttcaa tttattttta attacgagga atttatattg 240
 attagttntt tccttccatg ttcttcttta tttcccaa at aaggcaacat gacaccacaa 300
 agcacgtaaa ttaaatgata aagaattatt atgggtttaac cccgataatt cannatccga 360
 aaattagcta tgactactac aaagttgggt ggaataatat tatttatcct taaatttact 420
 aaatttactt attaaaaaag cattcattt 449

<210> 13311
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 13311

cattatcttc atgattagat aatacacatt tcataccagt gcatgacttc aagtcatcaa 60
 agtaacgatc ttttagttaa atcactaata tgatactcat gcatacgac aagtaatata 120
 actgcctacg cgtttaagag agaatgtgtg acagggatga aagaaaagat atagtggata 180
 ttttaagattt taaaaggaag atgggtgtact tatcaaaagg gtgatacaat tagcaagttt 240
 atgtaaaaag actaaactta ccatcttgta acagctggca aataaataaa gaagcttatt 300
 gaaataattt ttattatata gaatttatta tatagaattc acttctaagt catttaagtc 360
 cttcagaaat atagacggat acacatgcat atagtattta acaacattta ctattaaaaa 420
 tcaacaagac 430

<210> 13312
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13312

gtgtatatta aggatgctat tgaagttgtc ttattgatga ttgtagggtc ccatatccaa 60
 tctttttata caactttata tattttaagt tctgattntc tgattgtaga atttcatctt 120
 taaactatta ctcttggttg atggttcaac taaatgtgaa cgataatttt taacaagaaa 180
 atcccgccag ggccaatgga catattnta atgtgggata cccaacaat gaggttatag 240
 ntaggcagct tgctgaaatg atgactcacg ttataggatt aacgttgatt gtttgatcct 300

attagaattt caacatggta tctgggacca ttcaacantt attntcgttc aattctgcaa 360
gtttattc 368

<210> 13313
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13313

aaatgttatc tatataaatn ttaaatgtaa naaaagatgt tattaacaaa atgtcatcta 60
attctgatcg gaattgaagg aaaaaataaa ttatttgaat ttataactga taatttgatt 120
aatttcagat taaattattc tcaaaatata attctaaata tatttgcac atgatatcct 180
tccttctact tgaagttatt cgaanaatat attatataat ttacctgcat aattttcatt 240
tttagcttta ttacagctaa ttctatttaa attaaatttg t 281

<210> 13314
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13314

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tttcatggcc ttgcaggtga agaccgcac aaacatttga aagaatttca cattgtctgc 120
tccaccatga aacccccaga tgtccaagag gatcacatat ttatgaaggc ttttcctcac 180
tcattagagg gagtggcaaa ggactggctg tattaccttg ctccaaggtc catcacgagc 240
tgggatgacc ttaagagagt attcttagaa aanattttcc ctgcttccag gaccacagcc 300
atcaggaagg atatctcatg tattagacaa cttagtggag agagcttgta tgagtactgg 360
gagagattta agaaactatg t 381

<210> 13315
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13315

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gacactgttt gaactttatt gttggaagag cttttgtcat catatcagca ggattatctg 120

aagtagaaat cttttctatt aacacatcac cttgtgttac cacatcacga ataaaatgca 180

tccttatatc tatgtgcttt atcctttcgt ggtacatttg gtttttggtt aagtgaattg 240

tgctttgact atcacaatgc acaacaactt cttttttact tacaccaaga tcaccaacaa 300

gacctttaag ccataaagct tctttcaccg cttcagtagc tgccatatat tctgcttctg 360

tagtcgacaa tgcaacagtg gact 384

<210> 13316

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13316

ttgcttctac caatttaatc tccatattct atntgattgg atcccatttt catgtggtca 60

cgcatatagc gcactctact ctatcgagag gtcaaaagat ataactccta ttatgtagga 120

gggatgaatc atatctatat cactcacatc tcttaatatg attattgtaa gcctagctac 180

tacttttatg ataactntgt tacagatggg gtatgatagc attaaagcct ataactctac 240

atgtaggaat gtagtaactt caaatcaagg acaactatta ctttatgatt gctatgagaa 300

gcgcttatga tagttaaatg actattatga agcattctca tattggatct atctagtata 360

aatatttact cctaataattt atacttgngt ggtgacttga tatctcgtat ccatgaccta 420

tg 422

<210> 13317

<211> 278

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13317

caacggaagc tcttggtata ctcanatggg aataacttgt cacacgggag ttcgattcaa 60

gcgcataata tatctagatg ctcgaaattg aacaacgaat gctctcgtga aagtcaaaat 120

ggtcataagc ttgtcacacg gaagtccgat ttaggagcat aacatatcga aacgctcgaa 180
attgaacacc caaagctctt aagaaattca aatgggcata tctttcctaa cggaagtccg 240
attcagccac ataatatatc gagaagctcg aattgaac 278

<210> 13318
<211> 287
<212> DNA
<213> Glycine max

<400> 13318

tcttttactc ggatgactga ttgagtcccg tcatatatcg agacgctcga aattgaatgt 60
tgatgctctg agccaattca aacgacaata atattttact cggatgtttg attgagtccc 120
gtaatatatc gagacgctcg aaattgaatg ttgatgctct gagcaaattc aaacgacaat 180
aactttttac tcggatgtct gattcagtcc cgtcacatat tgagatgctc gaaattgaat 240
gttgaagctc tcagccactt caaacgacaa caacatttta ctcgat 287

<210> 13319
<211> 421
<212> DNA
<213> Glycine max

<400> 13319

agcttagtaa agctaggcac taacaatctc cctctttggc tatatttgct taaaacatac 60
ttagacactt tctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
catcttctat cagctactag tctttttcag gatgtcaaga catctcatgt gacatcagct 300
ttcccttgct tccatgctct tactgcagca tcttctatca gctactagta gcttacatca 360
gtcatcatca gcagcagcag tctcccccta aaatcatgta catacaactc cccctcaaaa 420
t 421

<210> 13320
<211> 379
<212> DNA
<213> Glycine max

[illegible]

<210>	13321
<211>	389
<212>	DNA
<213>	Glycine max

agcttaacaa	aaggcatgcg	aagtgggtgg	aattcctata	gcaattccct	tatgttatca	60
aacataaaaa	gggaaaaggt	aatattgtag	cggatgctct	ttctcggcgt	catgcattac	120
tttctatgct	tgaacaaaa	ttgattggtc	ttgaatgttt	gaaaagcatg	tatgaaaatg	180
atgaaacttt	tggagaaatt	tttaaaaatt	gtgaaaaaatt	ttcagaaaat	ggttttcttta	240
gacatgaag	ctttcttttc	aaagaaaaca	aattgtgtgt	gcctaaatgt	tctactagaa	300
attttcttgt	togtgaagca	catgaaggag	gtttaatggg	gcattttggg	gtccaaaaga	360
ctctataaac	attacaagaa	cattttttat				389

<210>	13322
<211>	430
<212>	DNA
<213>	Glycine max

5621

agaataaatt tttcttatat ttagtatagg agaataaact attttttgaa aataaaataa 300
aaattaatth ttatgtacta ttaatatatt attttccatc gtataactaac aaaaagccat 360
tttaagtaat tttttacagt actataacat taattaactt atcatacatg atcattctta 420
ttggataata 430

<210> 13323
<211> 320
<212> DNA
<213> Glycine max

<400> 13323

agctttgatg caacatttgg agaggttaat gaatcaacga gatgatgcgc tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggagtataa gagggaatga 120
tggtgttctt agacaaaact gaattgatga tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccagaggcct acttgagtg ggagatgaat atagagcatg ttttctcatg 240
caacaactat gaggaggaac aaaagggtgaa gcttgccgtc acggagtttt ccgactatgt 300
tcttggtgg tggaacaagc 320

<210> 13324
<211> 402
<212> DNA
<213> Glycine max

<400> 13324

agcttatcaa ggacatgttt ggataattta tacattccat aaaatttaatt tattgattga 60
ataaaaaatat attcttggtta taattacttt aattattatt atatatatcg tgtaatcgag 120
cccgcactat taagggttgt ctacaattta caaaaattaa gtatTTTTtag tgtaaatttt 180
cttttttttaa gtagatttta gatagattaa ggattatgta gatttttatgc aaactcaata 240
aactctcaat ttataactgt attatgtttt gtcgctttta ttattttcaa ttgatgtgtt 300
attcttaaatt aaaagaaatt ttattcttaa taacatcaaa tccttaataa taatattatt 360
gaaatattta atcgatacaa tatttatata cttgagtcgt at 402

<210> 13325
<211> 335

<212> DNA
<213> Glycine max

<400> 13325

gcgtatcgat atattacgag actcaatttt tcattcgtgt aaaaagttat tgttgtttga 60
tttttcccag agcttcagtt ttcaatttcg agcgtctcga tatactactg gacacaatca 120
gacatccgag tcaaaagtta ttgtcgtttg aatttgctca cagcatctgt tttcaattac 180
gagcgtatcg atatattacg ggactcaatc gtagatccgt gtaaaaaggt attgtcggtt 240
gaaatttctt agaagcttca tttttcaatt cgagcgtctc gaatactact ggacacaatc 300
ggacatccga gtagaaagta ttgtccttga atttg 335

<210> 13326
<211> 371
<212> DNA
<213> Glycine max

<400> 13326

agcttgaaca ttatctcctt ttgggttcgc aggttcttcc atgcacggaa tccagtgatc 60
atctcgatta caatgcaccc aagagaccat atatctaacg ctgggttcaat ctgaccaacg 120
accgattctg gtgacatgta aaaagggtgc cctctaaact tgaccttccc atactcagca 180
tttgcattct ctctagtctt ggacaaccca aaatcagcaa tcttcagttg ataccttgca 240
tgatcatcag atgaaggaaa gagaaggatg ttgtccgggt tgagatcaca atggacgact 300
ccttttcgat gaatgcaaga aagccctttg agaagcatac gagtgtagac tcttacttca 360
ctatccgata t 371

<210> 13327
<211> 201
<212> DNA
<213> Glycine max

<400> 13327

atcttaacat ggtagtcaaa gatttcgatt ctcttcttct gcagtaaatt cacccttttt 60
tagatctggg ctcaaatgat ttgcccatcg tagacggcag cttttccac aacgggcaag 120
tcctgaatat ttatgtactg cattccaatt gccttgctcg tgttggttgg catattctaa 180
ccaaattgca tcctctgctg c 201

<210> 13328
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13328

tccatagcta tactcgatta ccaaaactat gtaatccatt accaatgctn taaaacggtt 60
 aaaaatgaat ttgtaagtgt gcaattgatt acacatcata tgtaatcgat tacgccaatg 120
 ctgtaatcga ttaccagaga ggattttcga gaaaatctgc caacagtcac aacttttcat 180
 tggatttttg aatggccatc aaaggcattt aaatagggtga cttgggcacg aattttcttc 240
 agagttttca ctgttcacaa aaggcataat cctctcaaac aaaaatctct tatcttcaaa 300
 aattccttgg ccaacacttg tgtattcaat aagtaatgag gcttcattga acatttgctc 360
 ttttaagagat ataatnctct tcttctctc 389

<210> 13329
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 13329

agctttcagc aggaaagcta agtgtgaagt atgttattct gcacaggatt ggagctgcaa 60
 actgggttcc caccaatcat acttccactg ttgccacagg tttgggtaaa tttctgtatg 120
 ctgttgaac caaatccaaa ttttaatttg gaaactatat ctttgatcaa actgttaagc 180
 attcagaatc atttgctgtc aaattacca ttgccttccc tactgtatta tgtggcatta 240
 tgttgagtca gcacccaat atgttaaact aactgactt tgtgatgaag agagaatctc 300
 ctctatccct gcactataaa ctgtttgagg ggacacatgt cccagacatt gtct 354

<210> 13330
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13330

gctagcttat aggaagcagc aacaccgttg gcattcttgt cttatgcaac atnttaggat 60

gcgcccttcca caattgcgag atctatggtc tttctgatac ttggcttgaa gtattattca 120
 ctagtgaccg aagaaaagca tattctgata agttgcaagt atgacttata ataggcactt 180
 aaaattctct atcactgcat gtgtctccat ggaagaaagc aaacttaata ctgctatttt 240
 ttctactgag gaaactgaac ccaccctttt actccttcac cttattatgc ataattcctt 300
 cctctaccat g 311

<210> 13331
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 13331

agcttgaatg ctcatttgag cttatatgca tgttatttac acacaaaggg aaagggagag 60
 ataaactgacc aaatcttttc atggctattc ttccagaaga acgctcccct gatgtagttt 120
 cgtttatagc ttggaccatc tcatttttgc tgacatatcc atccttggtc ttgtctaaga 180
 atacaaatgt atcaaccaa gtctcaaatg tgccctccag ctttggcatc ccaattcgtg 240
 atttctaggg aagtcattgga aaaaaattg aagatgtagc caaacatgga aattcaaggg 300
 ttattgttat caatgcaagc atgatggaaa tctatgcttg cctgaagaaa tgcctgaaa 359

<210> 13332
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 13332

agcttctcta ttagctgcac ttgactacta tgtttgcttg catagagaca tcttcatctc 60
 tgcttcccca ggaaatatgc acaatgcatt ggtgagttgt gctatatgca tttttagatg 120
 tctctaattg aaggttaaat tattaactag gtctgtacta tttgggaatt ttcaaatagt 180
 tctttatact tttattttta attgagttcc taaactaaaa aggtattccc tatagttttt 240
 tggcagtttc aaatcgccag aaaatgacaa tttatggcgt cttaaaaaga ctattgactc 300
 aataaaaaaa attcaagatc aagatctaatt tttaaaaaaa aqa 343

<210> 13333
 <211> 371

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13333

agctntgatt tccattgttc cggaaacctt tcttttctca tgtgcaccca aacccaatct 60
tcgggttcga agacaccttc tttctccctt tggtggttg tttagcatag cttttatctt 120
tcctctcaat ttgatctttg actctctcat gaagcttctt cacatagtcc gcctttgctt 180
gaccttcttt atgcttaaaa acagaaacat tatgcatagg caaaagatca agaggagtta 240
gtgggttaaa accataaaca acttcaaaag gagaacaatt agtggtgcta tgaacagctc 300
tattgtaagc aaattccaca tggggtaaac aagttttcca agtttttaag ttcttctca 360
aaactgtcct a 371

<210> 13334
<211> 301
<212> DNA
<213> Glycine max

<400> 13334

agcttcttgt tacaactaga ggaagagaag ttggtgcttg cttcacaagc acctttccaa 60
cgagagggtg ctttggacaa acctgtgtct tggaaactga tgtgttcagg ccatattcct 120
gtatcaagga ctctatgat cacatctgag gccagtttag aagcactcca aagtcctttt 180
ccattctgta agccaagaaa atgggagctg tattgtgtgt gaaggcttat tagttcatca 240
tgtatggctg aaaggaaacc atctatttgg ttcaagtact caagctgctt atatgaaagt 300
t 301

<210> 13335
<211> 336
<212> DNA
<213> Glycine max

<400> 13335

gatattatag gacttcttct tacatccgag aaaaagttat tgacggttga atttgctcag 60
aacttcaaca ttttaatttcg agcgtgtcgc tatattacgg gactatatca gacatccgag 120
taaaaagtta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcgtgtcg 180

atatattacg ggactcaatc agacattcga gtaaaatggt attggtcggt tgaatttgct 240
cagagcttca acatttaagt tcgagcgtct cggtatatta tacgactcaa ttagacattc 300
gagtaaaagg tattgtcggt tgaatttgct ctgagc 336

<210> 13336
<211> 332
<212> DNA
<213> Glycine max

<400> 13336

catatgtact ttgtaatgtc tacctttttg attttatcat agattattgg ggctaaaata 60
tgcgcctggt aatagggtatt ttcttaaacy agaataggta tggtagagaa tagttcaaca 120
tcagcctaca cagtatccaa catcagagga gttgagtatt gggaggatca agtctaaagc 180
ttgtgatctt cggggtcacc atattgcacg aagagtctgg aaagattact atgctaaggt 240
ctttctctat tgtacctctc ctaacacata cacacattag tgctatgtta tacctgttgg 300
ccccaacat tgattctcaa tctgtttaac ca 332

<210> 13337
<211> 367
<212> DNA
<213> Glycine max

<400> 13337

agcttcgcat gttcatttaa ttgtgccaac aaatgaattt tagcccatg acttagaaca 60
agatcacgac atctatgcca atccccagcg acatttccta atgccacac tgcctgtgag 120
taccctaaat accaagggtg aaatgttaaa gcttttaata aatgatagca tggaacagta 180
caacaaggta ttgttgtctt ctgttgctcg ctgcaaatta ataaatggtt aaatacaacc 240
acccacgca caaacatata gatacccac ccccccta ccccaaaatt tctttcttaa 300
catgcaatac ctgctcatat aactttacac cacaataagc aacccaatt ctaaaattat 360
acataac 367

<210> 13338
<211> 366
<212> DNA
<213> Glycine max

<400> 13338

agcttgccctt gccccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaaa ggtagtggtt ccatgttttc aaagcccgt aagggcata caactcctta 120
tcataagttg aatagtttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aaagattttt gaaagtttgg caacgcaagt atgggggcat taattagctt ttgcttaaga 300
acattgaaag cttcttcttg tttctctccc catatgaaac caacattttt cttgaacact 360
tcattg 366

<210> 13339

<211> 375

<212> DNA

<213> Glycine max

<400> 13339

tagcttgagg gggggaacct tgcaatggat atgtttatgc tctatgggat cgaggtgagg 60
gtcattcgcg gaggcggtta tgaggggtgct gcctctgcta ctgggagggt gtatgtgtat 120
gatgggttgt atataattca tgaatgctgg tttgatgtgg ggaaatcggg ttttgggggt 180
tttaagtata agctgtgtat gattgatggg catttctaata tggggactgt ggtgttgaat 240
gaggctcttt tgcttaggaa cgatcccttg agtttcaaac cctcgttttg ttagtcgctt 300
gatgttttaa attaggaaga taacgcggct gttccgcttt taattacatt gatcctatct 360
ttgacctctg taata 375

<210> 13340

<211> 361

<212> DNA

<213> Glycine max

<400> 13340

atcgacatc cgagtgaaaa gttatgacca tttgaatttc tcgagagctt cctatgttta 60
attttgagcg tctcgatata ttatacgctt gaatcgaacc tcagtgtaaa aagttatgac 120
catttgaatt tctttagagc atccgttggt cattttcgag cgtctctata tgtgatgcac 180
cttaatcgga cctccgtgtg aaaagttatg accatttgaa tttctcgaga gcttccgttg 240

ttcaatttcg agcgtctcga catattatgc gcccgaaatcg gacatccatg ggaaaagcta 300
 tgaccatttg aatttctcga gagcttccag tggatcaattt cgagcgtctc gacatattat 360
 g 361

<210> 13341
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13341

tgaaggtaac tanatgcctt ggtaacttgg taacccatct gtgccttgaa tcataaatct 60
 gtacttgggtg caagagtcta tggtttattc tcctctgctg accaccatac aatcctttgc 120
 ctttctatgc agcaacctgg agcaattgag cagcctaaag cttatgttgc aaacatttac 180
 aatagacctc ctcaacctca gcagaaaatc aaccacaaca gaacaattat gacctctcca 240
 gcaacatata caatcccggg tggaggaatc atcctaactc caaatgggct agccctcaac 300
 aacaacaaca gc 312

<210> 13342
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 13342

agcttgagaa caatttatctt gtatgtcctt aaattttata attagtgtac tgagaagtgt 60
 aaatatcaat caatctctta ttgcataaaa ataaaattct agaattattt atatgatagt 120
 ctctcataac cttatttttt ataattatat ctttcagtct ttttatctca ttattcatct 180
 tatttcacat ttctttttct tattcaaaat tgttgcataa ttatatatgt gatattctaa 240
 aaaatattaa atattaattt gttatggaga gaaatttaaa tctaagactt ctttcttctt 300
 ttttcttatt tcttatttta actattaagt caacctatta actccttata tatgtgatac 360
 ttaaattttt ctttactta 379

<210> 13343
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13343

agcttgcttg cctctagttg acaaaggtgc ggattactat tangtatctt cgcattgccac 60
ctgactcacg gggtgggggtg acagaactgt ggggtgggtg acaaaagcgg gacttttgct 120
cctacatatc ttcaattgcy agactacata gttcttcaat ttttgtgtga gactacaaat 180
agtctcaatg ttattttact aaaatgcgaa catgctaaca tgcttttagca aagaaacaaa 240
ccttcaactg atcaaggcaa catatatattt tttgaataaa aacaatgcgt ctattggaga 300
aggaaagtat gctaataaaa ttttctcata accacaaatg agattttgga tggtagcatt 360
tcgtttctaa atgaccattt agaagaaaca ctg 393

<210> 13344
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13344

agctntgaag aaaaaagagt aagattgaga aatgtttctg ttttaataatg acactttgcy 60
aaaaaaatct caaagatatt ggacaatgtt cctacaaca aaaagctcaa tcctttgttt 120
aacaaagtta tttgttttgt gttgtgattg cttatctca ctccatgagt ttgtttcttt 180
gtaaatcttt caaacacttt taattgagaa attcaagagt ggctttgtta ctagagaata 240
taagcaggaa acaagaatca aaccctata gttaactggg aaagctaagg attataatcg 300
acattgattc atcattttga ttttaattta acatttccaa ttaaaataaa catgaaacat 360
ttgtttcatt cagcttcttt aataaaaaaa taagatttga aaattaaa 408

<210> 13345
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13345

tctcgatata ttatgcgcct gaatcagact tccgtttcaa aagttatgac catatgaatt 60
tctccactgt attccgtgtg acaagttatg accatttgaa tttctcgata gcattcgttg 120

ttcaatttcg agcgtctcga tatattatgt gccagaatcg gacttccgtg tgacaagtta 180
 tgaccatttg aatttggtga gagcatccgt tgtagattt cgagtatctc gatataattat 240
 gcgcctgaat cggacatccg tgtgacaagt tatggccata tgaatttctc gagagcattc 300
 ngttgtcaat ttcgagcgtc tcgatatagt ctgcgcgtta atcggact 348

<210> 13346
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 13346

agcttgaaat tgaacaatag aagctctcta gaaattcaaa tggtcataac ttgtcacacg 60
 aagtacgatt caggcgcata atataccgag atgctcaaaa ttgaacaacg gaagctctcg 120
 agaaattcaa atggtcataa cttatcacac ggaagtccga ttcaggcgca taatatatcg 180
 agacggtcaa aattgaacaa cggatgctct cgataaattc aaatgggtcat aacttttcaa 240
 acggacatcc gattcaagcg cataatatat tcagaagctc taaattgaat aacagaagct 300
 ctcgagaaat tcaaattgggc ataactattc acacgaagtt cgattcaagg gcataatata 360
 c 361

<210> 13347
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 13347

agcttatcaa gacctggaga caagttatga actaaacagg tgcattccaaa aatatgtgga 60
 tcaacatgaa gcaatagttc ttaagaaaa aaatggaatg tggattttta tttttaatag 120
 aggaagaagg cattcgattt accaaaaaac aggctgtcaa aactgcatca cccaatgcc 180
 ggacaggtag attggcatga agtaataatg tccgagcagt ctcaacaaga ttcttattct 240
 tcctttcggc aatgccattc tgttgaggag tatgaggaca agaagactga tggagaatgc 300
 cctgcgctga caaaaaagaa gaaatagcag aagaaaagta ttctttcgca ttatcactcc 360
 taaggatctt aattgtctta ccaaacttga gtttaatttc attaacaaaa gaagtgagaa 420
 tcgaagaaaa tttagatcat tc 442

<210> 13348
 <211> 465
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13348

agcttcataa aagtttatat ggctngaaac atgcactgag gcagtggtag aagaagtta 60
 atgagtttat gagcaactta tgattcaaca gatgtggcat gaaccattgc tactacgtta 120
 agaaatatac taatagctat gttatccttg ccaagtatgt taatgacatg ttgattgcag 180
 gatctagtat ggcagaaatt aacaggttga agcagcagtt gacagaaaac tttgaaatga 240
 aggatcttgg ttcagctaaa caaatatttg gtatgagaat tcttagaaac agatcagaag 300
 gaattttgaa gttgtctcag gagaaatata tacataagtt gtttgacagg ttttaccttg 360
 aagattctaa caccaggaat acccctttgg gatctcattt gaagttntca aagaagcaat 420
 ctttgcagat agatgaagaa naatgttaca tgtcaagagt accat 465

<210> 13349
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13349

gcttgtaatc gattaccaa agttttaaac attntataac agtctttaga aatttgaatn 60
 taaatttcaa agcctgtaat cgattatagc ttgtgtgtaa ttgattgcca gacattaaaa 120
 ttcaaatttc aagactgaag agtcacaact cttcaaaagc taactgcata atcgattacc 180
 acatttatgt aatcgattac cagtagggaa ttttcgaaaa taacttccaa gagtcacaat 240
 tgttcaagaa atttttgaat ggtcatcaaa ggcctataaa taggtgactt aggacacaaa 300
 attacctaga gagtttttct gaacaaaatt gtcttatcct cttcaaaca aaatgtctta 360
 tcactctcaa aatat 375

<210> 13350
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13350

gcttctggtg ggacatcttg acttgctttc ctttctgaca ttcaccacag attctgcctt 60
cttctatttt cagattggga atgcctctaa cagcaccttt gtcaatgatt ttcttcatgc 120
ctcttaagtg cagatgtcca aatctttgat gccatatttt gacttcatct tctttggagg 180
atagacatgt ggaggagtaa ctggtttctt gaggtgtcca taggtaacag ttgtcctttg 240
atctgctgcc cttcattaga acttactctt tctcatttgt caccaagcat tctgactntg 300
tgaagtttac attgaatcct tcatcacaca actgactgat gctgatcaag tttgcagtca 360
gtcccttcac cagcagtact ttgttcagac tangaagtcc atcatggact agctntccca 420
ttccagtgat ctnttcttta gagccatctc caaatgtcac atagctag 468

<210> 13351
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13351

gcttcttggga ggttngatgg atcctcctct attgtatagg ccatataatc gggcccatag 60
tcttttagcaa ttcttgcttt cttacctctt cgaggctcta tttttggttc tggtagtgca 120
agattttcac tactaatagt aggaaggcga ctggatgaag taccaccact attccttaat 180
ttaaaaggaa atttattttc ataaaaatca gcatcatttg actctatgat cacttttgtg 240
tttaggtcat aaaacctata cgctttgtta ttaatagcat aactaatgaa cacacattca 300
taggtcttac ttgtgagttt aaccctcttg gggctctggga tccttacata ggccagacat 360
ccncaagttc tcaaatagga caaatttggg tgtcttttcc ttaatatctc atagggagat 420
gtcttgcttt ttgattngng gattctattt atcacataac aaacattt 468

<210> 13352
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13352

agcttaccaa gaatgttata caaagatgat ttactttgtg aagcatgtaa ggggaaatag 60

attaaaacct tcttttcaag aaaaaacttt gtttccacct caaaaccact cgaactatta 120
catattgatt tgtttgggtca tatgggtctgg tagtagttga cgactactca agatggacat 180
gggttatggt ccttgctcac aagaatgagt cttttaaggt cttctttaaa ttctctaaaa 240
gagttcaaat tgaaaagga gtatgtatta ctttaatcag aagtgatcat ggtggaaagt 300
ttaaaaatga gagctttcat caattctgtg aaaaaaatgg aattcttcat aacttctata 360
ctactagaac ancctaaaaa aat 383

<210> 13353
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13353

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aaaataacgc aacaaataat caaacatcaa acataattac taataatata tagatatata 120
tcaggggtgtt acaactctcc caccctttta gaaatntcat cctcgaaatt taccttactc 180
aaacaaggat ggggtgagctt ctgcgcatctg acttttcta tcccacgtgg catctcatcc 240
agatgcacct ccccgatca ccttgaccaa cggaatctct ntccctctta agtggtgtgt 300
tcgcctatcc tcgatcctca aaggcaatgt ttcatatgtc aaattctcct tcaattgtac 360
atcatccaat tcaatcacat gggatggatc acggatatac tta 403

<210> 13354
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13354

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gtgaagaaga atttggcatt tacctagggg gaaaaacaag agcaagcatt tgctttgctc 120
aaagaanagc ttactaaggc acctgttcta gcttttcttg acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggtgtt ggagttgtat tgttacaagg aaggcaccct 240
attgcttatt ttagttaaaa acttcatagt gccacettca actacccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttggaac attaccttgt ttccaaggaa 360
 tttgtcattc atagtgatca tcaatcactt aagta 395

<210> 13355
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13355

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 atggatgccg gagtggcaag ggcacggcc atctaattct ccactctggg gatgtggtga 120
 aaggatacgt catcaaagta ctctatcagt tttctaattgt aggcctggta gggatatcaac 180
 ttatgatecc tgggtctccta ttctccttcc aattgggtgga ttaccaaggc taagtcccca 240
 tataccttga gcaacttgac cttgaagtca atttccgctt ggatcccaag ggcatagccc 300
 tcatattcag ccatgttggt cgtgcagtca aagcccaacc tagtcgtgaa gggatatacat 360
 ngatcggttg gtgtaaccaa aagcacccca actccatggc ctagtgcatt agacgccacc 420
 gtaaaccaca caatccattt gcccta 446

<210> 13356
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13356

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 tcacccgacg aagacactga caaaaactta tcttctcctt tntggacaaa gtatggcaag 120
 ctggggggcaa gtaaatnttc ttcccatcag acattggatg caactgtgat cgtatgccca 180
 tatcagctag atcttgacgg gtattcaagc catccttcgt ctttcccttga atgttaagga 240
 gcatcccaat cacactgtca caaacatttt tctcgacatg cataacatca atacaatgtc 300
 taatgtcaag atcagaccag tacggaagat caaagannat cgacctcttc ttccatatgc 360
 aactcttact tatatccttc ttttgggtct ttccaaatac attattc 407

<210> 13357
<211> 159
<212> DNA
<213> Glycine max

<400> 13357

agccatttcc gcaccttttc ctctgtccac tttcaaccgt tcttccaaat gtaaaatggc 60
ctatcggaat acatttttcta catcctaact actataaaac aaccttttaga cttacgtttg 120
ctactctcat ggtctcaata ctgccgccga aattctgtc 159

<210> 13358
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13358

agctngaata taaactaaat gccttggtat tttggtaacc caactggcca tgtatcagaa 60
atatgcacct gtcgcaagac tctgtggttt atgtctctct gccgaccacc atacagacct 120
ttgccctctct gtgctgcaat ctggagcaat tgaacagtct gaagcatatg ctgccaacat 180
ctacaataga cctcctcaac ctcagcagca aaatctgcca caacagaaca attatgacct 240
ctccaacaac aggtacaatc ccgggtggag gaatcatccc aaccttagat ggtcaagtcc 300
tccacaacag cagcaacaac aacagcctta ttttcataat gctgctggcc caagcagatc 360
atacgttcct ccaccaatcc agcaccaaca acaacag 397

<210> 13359
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13359

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ccttctacac cacgaacaat atccctttga taatgctgaa aacacaattg tgatttggag 120
ctatgatcag cctaggggag aagggataaa tcgacatcaa ctataaatga aaacaaagaa 180
ttgaaatcaa agaaccaggt aaccttcccc gcacgtgtcg atatataaag tatctcaagt 240
ttctggtgta gctggagctc cactccatca gtaaccacat tatctgaacc ttcataaccg 300

ccacccccaa actgcttcag aacagtctaa atagcaacac t

341

<210> 13360

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13360

nagcttatca aggacatggt tggataatct atacattcta taaaatttaa ttattgatag 60

aataaaaata tattcttggt ataattactt taattattat tatataatcg ntgtaatcga 120

gcccgcacta ttaagggttg tttaacaattt aaaaagttta agtattttta gtgtaaattt 180

tcttttttta agtagatttt agatagatta gggattaggt agattttatg caaactcaat 240

aaactctcaa ttataactg tattttgttt tgttgcttta gttattttca attgatgtgt 300

tattcttaaa taaaagaatt tttaatttta ataacatcaa atccttaata ataattattat 360

tgaaatattt aattgatata ttatttatat acttgagtct gataagcttg agtgccaacc 420

atgatcactg caatacaag 439

<210> 13361

<211> 417

<212> DNA

<213> Glycine max

<400> 13361

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aattatgacc tttaagcaa cagatacaat cctggatgga gaaatcatcc aaatctgaga 120

tgggcaagtc ctccacaaca acaacagtct atccatcctt ttcagaatgc tgctgggtcca 180

agcaagccat atgttcctcc tccaatacag cagctgtcac aacaaagaaa acaagcaact 240

gacgtcctc ctcaaccttc tttagaagaa ttagtgaggc aaatgaccat ccagaatatg 300

caatttcaac aagagacaag tgtttgatca agtggactcg gaataattaa gaaggggggt 360

gaattaatta ttaatgaacc ttactaatt aaaaatccat ccttcttaat ggtacta 417

<210> 13362

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13362

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caaaacccct tgaactactt cacattgact tatttgggcc ctcgaaaact atggggttttg 120
gtggtaatta ctatgtccta gttataatag atgattactc aagggttcaca tggactttat 180
ttntgaaaac cacaagtga gcttttgatg cttttcgcan acttgccaag gtgattcaaa 240
atgaaaaagg tctcaacatt gtttcactta gaagtgatca tggaggtgaa tttcaaaatg 300
agtatttgaa aacttttgtg aagaaaatga aattcaccat aatgtttcta cctcaagaac 360
acctcaacaa aatgggtgtg tggagaagga aaatagatcc cttgaagaag gtgcaagaac 420
ccttcaaatg aaacaaagta cctaagtact ttg 454

<210> 13363

<211> 327

<212> DNA

<213> Glycine max

<400> 13363

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tggtgaagct ctgagccaat tcaaacaaca ataacttttt actcggatgt ccgattgagt 120
gacttaatat atcgggacgc tcgaaattga atgttgaacc tctgagcaca ttcaaacgac 180
aataactttt tagtcggatg tttgattcag tttcgtcata tatcgagacg ctcgaaattg 240
aattttgaac ctctgagcca attcaaacga caataacatt ttactcgaat gtctgattga 300
gtcccgtaat atattgagac gctcgaa 327

<210> 13364

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13364

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aaaccaactt tntaatcact gccaacctat aaaatctgat gtggggtaca gctaattgtt 120

atattcttca agttggattt gctgtatttt tggaaaattt catttcattg ttctcaattt 180
 ttgtggaata atgggtgttct cttgtgtatt aactgtcata attgtttaat tttcaaatac 240
 agagataatc gctcctccag atcatcactt gtagatgggt ttgatagtct ggaggagggt 300
 ggtctaaggg cttcttcttc ttactcacgt gaaattaatg agcatgataa tgataaagcc 360
 atagagaagt tggaggacag agtttcgttt ctgaaacgag tgagtttttt ctatcaagta 420
 ctatttca 428

<210> 13365
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13365

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 gccagaaga tactgtgtcc aatgggtatg gagtattata agattcatgc ttgcccccaa 120
 tgattgcata ttgtacagac atgaatttga agaaatgtcc aaatgcccta cgtgtgggggt 180
 atcacggcat aaaatcaatg atgatgagga gtgtagtagt gatgaaaact caaaaaagga 240
 cccctcagtg aaggtgttgt ggtatctgtc gatcattcca aggtttaagc gactttntgc 300
 taatggagac aaaaccttac atggcacgca aatggcagaa actgtgatgg aatagtcctg 360
 catccggttg att 373

<210> 13366
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13366

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 ccattaatta tggctttaga atttgccaac acaagtgttc ttggaacagg gatggttcca 120
 tagtggaatg agccctgagg atttggcga actgcatttg ctgtcaaatt cagtcttcaa 180
 aacaacacaa tagaacacag tctgagccta tgatcaccag atcccccaatt attttttttt 240
 ttggttatag gtaagaatca aaaaattcat aaaactgata cacattactg aattaactaa 300

gaaaatatgt tctatttacc tcttaattta aattgttaaa aattataaac ttaagaatgt 360
catatttcca tttcatctta atttttatat taaatatata aatcaagtaa ccaacgtata 420
ttttttacta tttatataat atttg 445

<210> 13367
<211> 404
<212> DNA
<213> Glycine max
<400> 13367

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taaacatgtc atggttgagc ttactttaat tcattgttta tgtcatagtt taaatgataa 120
acgagacaga ggtagcttag ttatttcatt attaaatcaa ttgggttaatt aaacattgct 180
caaagaattc ataattataa ttgttcata aaaaattgca acagaaaaat attgatgagc 240
taattaaatg ttatatTTTT aatactatct ttaagattgc aacattttta gattgtagtt 300
atcaaatgca tgatacaaaa gaagtgtgtg ttgatcatta tactgctcca tgaataattg 360
aagcttgcac taattattat aacatgtcat tatttatcat acca 404

<210> 13368
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13368

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ctaagttgtc cttagtgttt aaaatgaaac attgacatct aaagtgatgg aagtatgata 120
tggtgggggtt tggccttttc cacaattcat atgaagtctt ttttagaata ggtcttacgt 180
atattttgtt ttgtgaataa tatgtaatat tcactaattc agtcataag tgcttaggag 240
taaaaaatat tattaagcat ggcctttgtc atttcctata attatttggt cttccctcca 300
accacacat tctgttaaag tgttctagga gttgaaaagt tgtgaaggat actattttcc 360
tcacaaaata gttgaaaatt cacattttca aattntctc catgggtcact tctcattgaa 420
gcaatgcata ctcttctat anttttcaat cttgttcat 459

<210> 13369
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 13369

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 agtattgagg attgccttga gggtcgcgac ttaagcgatc atgaaactat gctccatata 120
 tcatagtggg ggacacatga acaaccctaa gcaataatat tcatgtggcg ccgaaaaagg 180
 atgagaatgg aggatggcct tgagggtcct ctcttatgca atcatggaac acagactaca 240
 actctcaaac ggaggacaca tgaat 265

<210> 13370
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13370

ctaagcttta catgcttggg agtatagata agtggaatat taagcttata taagagattn 60
 cttagtagtg ggacaataac tatgtgtaag gcaaaaattc tgtttatcat tcaaaactcat 120
 ctccataata aacataatth gggacaaggt atcaattaaa attagctact agtttaatat 180
 atgtgagtgg gcttaaaaca tattgtaagt tggaagtaat aaataattat agtttccttt 240
 tcttaaaactg tttgactgct taagtatgaa tattgttgta tctctaaaac atagaatggt 300
 acactattgc aataccatca atataatcct ttcaatggaa caaaatctaa aaatatatat 360
 tataacacaa taaactaatt atactgaact gagtcttaaa tcaagattca aatgtggaat 420
 tgccacctta tttagtaact cgtattttctc atagcta 457

<210> 13371
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13371

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 tcttcctttg aagcgacttt aagtattcca tggctgcccc aatgggtgctt ttcacaaaac 120

aaaacaaaat actcaggcaa attcacttat ctaaagcaat tgacaacata tatctcttgc 180
 aacataaaca aagcacctac ttgtatactt gccactcaga aggaggagca taaatacagc 240
 ctttgctgtc ctatgctcac atatcatgcc acctgcacac agaaataaga acattcaatc 300
 acttatatcc tagaaaatgt tcaacaggag ttacagagaa ctt 343

<210> 13372
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 13372

gttcatgctg ggggtcttca aacaagcaat agggagaggg gaaggagctt cacacttatg 60
 agcaaaaaat gttcctacaa gaacaccagg tgcttgagtc cctctattgc ttggcctcac 120
 ttcatgaaca ttgaaacctt tctcatcact gctcttggct ggtcccaaaa tacatgagtt 180
 tctctcacac tgggtctgtga gatctgacct aacacacctg attttgtcaa gtgagggttt 240
 ctcatgtgtg gtggtgacaa catggcctaa cgctttatag ccatac 285

<210> 13373
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13373

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 aaactgaaca aggctcttta tgggctgaag aaagcacttc gtgcatgggt ttaaaagctt 120
 tcagcaactc ttatctctct tgggttcaag gctagcaagt gtgacccttc cttatttgcc 180
 tcttcctcat gtggaaacac aacttatgcg cttgtctatg tggatgacat aatcctcact 240
 ggaaataaca gtgttctaata tcaacaactt atttcacagc taaactttat tttctctctt 300
 aaacatcttg gcaagttaga ctacttcctt ggaattgaag tcaagtataa ttttgcaggt 360
 tttgtcatgc tttctcaaac caaatacatc tcagattntc ttgaaagagt aaatatggaa 420
 gaagctaaag gaattttcac ccttatgggt ggtaatctca aattgtcaaa gcaagaaact 480
 acatgc 486

<210> 13374
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13374

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agctttgagc aatttcaatc gacaataact ntttcatgg atgcctgatt gagtcccgtc 60
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ttntactcg gatgtctgat tgagtccgt catatatcga gagctcgaa attgaatgtt 180
gatgctctga gcaaattcaa acgacaataa atctntactc ggatgtctga ttgagtcccg 240
tcacatatct agatgctcga aattgaatgt tgatgctctg agcaaattca aacgacaata 300
tctctttact cggatgtctg attgagtcgc gtaacatatc gagacgctcg anattgaatg 360
ttgaagctc 369
  
```

<210> 13375
 <211> 341
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13375

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caaactcagt ttggtgtttc catcaagtgc ctcaaactctg acaatgctaa agagcttgcc 60
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gaacaaaatt cagtgggtga aaagaatcat tagcatcttc tcaatgtagc cagagctttg 180
tacttccatt ctaaagtccc tttatcattg tggggagatt gtgttaccac tacaaccttt 240
ctcatcaacg gaactccttc atcattacta aaacacaact caccattcaa cattttgttc 300
aataaggaat cagaatatca tgccttgagg agttttgggt g 341
  
```

<210> 13376
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13376

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agctttggat cttngggagt gcaganaaga atactatgat gttcatgaac tacctttaaa 60
  
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tccaacagtg gctcagatga agaatcacag agagaggaag accaaaaagg ctaaggctaa 120
aaatttcctt ttctctgttg tgtcaaaaat tatttttaca agaattatga acttcaaadc 180
taccaaacag atttgggatt atgtcagatc aaaatatcaa ggttgtgaaa gaaccaaagg 240
catgcaagta cttaacttgg gcaaagaatt cgagatttaa agcatgaaag agactgaaac 300
aattaaaggc tacgttgacc aactgttatg catagcaaat agagtgaggc ttcttgggaa 360
ggactntcct gatgaaagaa tagtgcanaa aatcttggtc actatactca agaagta 417

<210> 13377
<211> 486
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13377

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gataattcat tcatttgggt ttgatgaaaa cctcatggat caatgcatat accacaaggt 120
tagtgagagt aaaatatggt ttcttgttta tatgttgatg atattttact tgcaggcaat 180
gatcgnggt tagctacatg aggtgaaata atttctctct aagaatnttg acatgaagga 240
tatgggtgat gcatcggtgt cattgacatt aagattcata gagatagacc tcgaggtatt 300
ttatgttttt catatgaaac ctatattaac aaaattctag agagatttcg gatgaaagat 360
tgttcaccta gtgttgctgc cattgtgaaa ggtgataggt ttaatttgaa ccaatgtcca 420
nagaatgact ttgagaagga acagattgaa aacattcctt atgcttagtt gttggaagcc 480
tcatgt 486

<210> 13378
<211> 359
<212> DNA
<213> Glycine max
<400> 13378

taaaacaatc cataatcaat tgtacccttc aagttacgaa gaattcttct tgcggctttt 60
agatgaggag aggtatgagc ctccgtatag cgacacacaa cttccaccgc atatagaata 120
tcgggccttg tattgggttag ataccttaaa ctccccacaa gactcttgaa gaccatggag 180

tctaccttct ctccttcac c aaactttgat aacttcaagc caccttccat atgtgtgttc 240
acgggattgc aatcaagcat actaaatttc ttcaacactt cttttgtgta gcttccttgt 300
gagacaaaga taccattctc catttgcttc acttccattt ccaagtaata tgacatgag 359

<210> 13379
<211> 368
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13379

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ttattgtcgt ttcaatttgc tcagaggctc aacattcaat ttcgagcgtc tcgatatatt 120
acgggactca atcagacatc cgaggaaaat gttattgtcg tttgaattgg ctcagagggtt 180
caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcagacat ccgagtaaaa 240
agcaattgtc gtttgaattg gtcagagat taaacattca atttcgagcg tctcgatata 300
ttacgggact cactcagaca tccgagntaa aagttattgt cgtttgaatt tgctcagaag 360
gtcaacat 368

<210> 13380
<211> 474
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13380

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tcactctaag aagtggattc actcttgtct tggatggtta tgaatgaaag ctctaccat 120
tatttatact actccacttc cacaatgaat ggtggagatt acttgatcc taaggatgaat 180
attaattctc tagaatgctt tgcacattct agtagtttct acaattttct atttccttcc 240
atatactttc atactcttct ataagattct agaaggtttc acacatctcc ataatagttc 300
agaggtttcc acatttttcc ataagtttct aaagaattct acaccactct agagttcttc 360
agaacattct agaanaattca acattctntt agaaaagttt ataaatttct tgaacctatg 420
tgatttagaa tatanaanaa attatagcac ccaanaacaa tttttaggaa tata 474

<210> 13381
 <211> 450
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13381

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 taccagtgtg tctgaacggt gaaattcaaa ttcaattgtg aagagtcaca tcttttcata 120
 aaatgctttg tgtaatcgat tacatgggtt tggtaatcga ttaccagtga caagttttga 180
 ataaagatca agagatgtaa ctcttccaat gggtttctca agattttctc aaggttataa 240
 ctcttccaat gggtttctct tccaatgggt ccatcatttt ctctattttt ctaaaccctt 300
 tttgcacatc attaattact gattgggtctt aattgtcaat taatcacgca gatttattat 360
 ttgggctcat gtagctaata tgatgtttta atctaatttc aggaattaat ganacattgc 420
 gcttaatccg gatcttggtt atgggcttga 450

<210> 13382
 <211> 376
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13382

caacctccgt tggagttgtc ggntgtagcc actccatata cgactccacc ttgttcggat 60
 ccattgcaac ccogtcttta taaatcacgt gtcccaagaa ctgcactttc tccaacccaa 120
 attcacattt cgacaatttg gcgaacaatt tcctatccct caggatacgc agcacaatcc 180
 tcaagtgtt ctaatgtctc tccttattcc ttgaatacac tatgatata tcaatgaaca 240
 caaccacaaa ctgatccaag taatcatgga atataggggtg gatgatagac gaacagttct 300
 aggcaatcaa tttgtggggc tccacactct atgggtggagg acgcatgaac agcgctacgc 360
 aatcaattca tgggac 376

<210> 13383
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13383

aagcttaaga accatcctcg atacatattg gtgaatctta taagggtaca actagacatt 60
ctcttaaaga cttatgcaat aatatggatt ttgtatctat gattgaacct aataatataa 120
aagaagccat aatagatgat aactggatca ttgccatgca agaagaattg aaccaatttg 180
aaagaaacaa tgtgtggaaa ttagtagaaa aacctgaaaa ttatcctgtc atatgaacaa 240
aatgggtttt tagaaataaa ttagatgaac atgggtataat tattagaaat aaagccaggt 300
tagtagcaaa aggtgtataat caagaagaac gtatagacta tgaagaaaca tatgctcctg 360
ttgcangatt agaagccatt agaatgctct cggcatatgc atccataatg gatttttaac 420
tntatctaat ggatgttaag agtgctcttc tatatggagt aattcacgaa gaggtatatg 480
tcgaacaacc c 491

<210> 13384
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13384

gtattcaaat tggctnttgg aagtgccttg gtcagaatgt cagcactttg atgctctgtt 60
ntgtagtaca gtaacttcac ttctccttcc ctttgaactt ctcttagaag aaaaatcttt 120
atcttgaaat gcttagtttt gccgtgaaac actagatcat tagcaattga tattgcagcc 180
tggttgtcca caaaaatctg tgtgctttct tcttgtttca tatgcaaate tgtcataatt 240
ttctgatcc aaagagcttg attcactaca acaacagcag ctacatactc tgcttctgca 300
gttgattgag ctacaacttc ttgcttttta gaacaccaag aaaagactcc agaaccaaat 360
gataaacaat aaccagaggt gcttctcatg tcatcaatac aacctgcca gtcactatca 420
taatatccat ggagcttann aatatgagaa tgagagtaca ttataccata gtct 474

<210> 13385
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13385

agctttgnga tgtanaagcc ttccatgcca ttttacacca ccaatacttt ctcgggtatc 60
 atagattntt ggctattctc tattaatctg tttcaaaaaa tatcacataa taagacttgg 120
 aataaaatta aattctgtaa aatagaagaa aaaggaagca acaaactaat actacatact 180
 cgatatttga cttgtatggt tgtgatgctg gtaatttaca attgaattnt cccttgcaat 240
 ctggacaata gtaatctgta ttttccagat cctgtaacca cgagtctgac ctttatcata 300
 atccacttca tgaaagagag aaatctaaaa ataaataaat aaatagtgtc atcatgtnta 360
 agcatgatac agcaccttga aaactttgct ggatattnta tcgcactcag catgcaccca 420
 cacattacaa ccatcacaac acacctgata caaagagttc attaccacaa tatg 474

<210> 13386
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13386

cgacaataac tntatactcg gttgtcttac tgagtcgcgt aatatattga gacactcaaa 60
 attgattatc gaagctctga gcaaattcaa acgacagtaa ctttttactc ggatgtctga 120
 ttgactcccg taatatatag agacgctcga aatggaatac cgaagctctg agataattca 180
 aacgacatat actttttact ctgatgtctg attcagtccc gtaatatatc gaaacgctcg 240
 atattgaatg ttgatgtctc gagaaacttc aaactacagt aactttntac tcggatgtct 300
 gattcaggcc cgtaatatat cgaaacgctc gatattgaat gttgaagctt tgagtacctt 360
 caaacaataa taacttttta ctcggatgtc tgattgacac ctgtaatata 410

<210> 13387
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13387

aaccttctgg tgggggtctta tagatgtctt cctctaaatt cccatgcaag aatgcagatt 60
 taacatctag ctgctccaag taaagattct ctgcagcaac aatactcaga ataactctga 120
 tggtagtatt ctttacaact ggaaaggagt ctctgagata tcaattcccc tgttctactg 180

aaaccctttc accacaagac tcgccttgta tcttcttcta ccgtcagatt cttccttttag 240
cctacagacc cacctatntt gtgacgcttt c 271

<210> 13388
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13388

cactgaagag gaagacaaaa ttatctgcac tctatatgac accatcggaa gcaggcaagt 60
ccattattnt ttttttttta tatatatgaa cgtattgaat atgtgaatat gcattgcttt 120
tgcattatta ttgctatata tctgagtaat gtgatggttt tgcctctagg aggtgcttta 180
tatcatgtaa actttccggg agaacataca atgatgtgaa gaatcactgg aacaccagc 240
taaagagaaa gctcttggca agaaacacat gtagtactgg tgccacgaca agcaacaaca 300
atgtcacttt gagcaatact aaatattgtg atca 334

<210> 13389
<211> 398
<212> DNA
<213> Glycine max

<400> 13389

gcttcatgag agagtcaaag atcaaattga tatgaaaaat aaaagttatg ctaaacaagc 60
caacaaaggg agaaagaagg ttgtcttcaa acccgagat tgggtttggg tgcacatgag 120
aaaagaaagg tttccggaac aaaggaaaac aaagcttcaa ccaaggggag atggaccatt 180
tcaagtgctt gaaagaatca atgacaacgc ttacaaagtt gagctgcccg gtgagtataa 240
tgtagttcc accttcaatg tctctgattt atctcttttt gatgcagatg gagaatccga 300
tttgaggaca aatccttctc aagagggaga gaatgatgag gacatgacca agagcaaggg 360
caaggatcca cttgaaggac ttggaggacc tatgacaa 398

<210> 13390
<211> 436
<212> DNA
<213> Glycine max

<400> 13390

ctcagcttca cattcaattt cgagcgtctc gatgtatcac gggactctat cagacatccg 60
agtaaaaagt tatcgtcgta tgaatttgct cagagcttca gaattcaatt tcgatcgtct 120
cgatatatta cgggactcaa tcagacatct gagtaaaaaa gttattgtcg tttgaatttg 180
ctgagagctt caacattcaa tttcgagcgt ctcgatgtat cacgggactc aatcagacat 240
ccgagtaaaa agttattgtc gttcgaatta gctctgagct tcagaattca atttcgagcg 300
tctcaataga ttacgggact caatcagaca tccgagcaaa aagttattgt cgtttgaatt 360
agctcagagc ttcagaattc aatttcgatc gtctcggtat attacgggac tcaatcagac 420
atctgagtaa agaagt 436

<210> 13391

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13391

ttatatgcac atgtatgttt tcacttctca tcactctagt ttttctgtt agattattga 60
gatcaacctt agaagctgga atttcaagat tagtttactt tcaaaagagt accagcatac 120
ctgcaagtca acaggtttga tgctgtggga atcagctcgg ttgatggctt ctgtccttgc 180
agaaaatccc aacattgttg ctggaaaaag ggtcttggag ttgggggtgcg gcagtggggg 240
aatctgctcc atgattgctg ttagagatgc tgatctagta gttgcaactg atggagatgg 300
ctntgcactn gatctctga ccaaaaatgt tgcattcaac attgagccat cattactgac 360
taaactcacc acaaaaaaac tggagtgggg aa 392

<210> 13392

<211> 489

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13392

ctcagcttga agcaacgttg ttgaatttaa gttgcttgag agtggatgct tacattccat 60
tccattcgag ttgcacctat aactaatatn tttgtttgaa tttacagatt ctatttcgat 120

ttttaacatga cttatgtggg agcaggggatg atttgcccc acctagtga tntgtctttg 180
 ctcccttgag ctgttctatc ttttgagtg gtatggccgc tcattgatct tcgtaaggga 240
 gattggttcc cgaccaatth agatgagagc agcatgaaag ccttgatgg ctacaaggtc 300
 ttctgacag ttgtctcat cctcggtgat ggcttataca actttgtcaa gattctagtt 360
 tcctcaatcc ttagcgtaca tgananaatt aagaaccgta aaaatggtaa gaaaaggatt 420
 cagaacttgc cattctcgag gtcatatnnt ggtatgaaat attacattca attcacatat 480
 aatttggt 489

<210> 13393
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13393

agctntaggt cttanaatgt cagtcatgtc aattatgaaa gcatgttagg tcctcttttc 60
 caaagagaac tgaaatanga tgtaaactca cttttccac tttcactct gatatttggg 120
 gtccaagctg tgtcacatct tttggtttca gatattttgt tacctttatt gatgaatact 180
 ctagatgtac ttggctntat ttaatgaaag atcgatatga actttaacct atattcatgt 240
 ctttcattaa tgaaatcaag acccagtttt taaaagtaat taagattctc aggagtgata 300
 atgctaaaga atatttctcc tttaatctct tttcgtttta accacacaag gcattttaca 360
 ttagtccaca tgtctcaca taccacaac 389

<210> 13394
 <211> 280
 <212> DNA
 <213> Glycine max
 <400> 13394

tcatcaagct gtgcttcaat ccagtcatt aggtattcta catatgttgg agcagaaacc 60
 tcaatagggtg tcttaatatg tacaccatct gccatctat attcatacct aaagttgtcg 120
 tgcaaaaaga caagaccaca taagagctac gaatgtataa atatttagca cagatggatc 180
 tagaattctc attggcatta aaggaatgat tatataacac acacatgcca gatggatcca 240
 gaaagggagt gcaaaagtaa ctcgttacta aatattgtct 280

<210> 13395
 <211> 185
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13395

agcttgcaag gtttctatac tctaagcaag tttaactga gttcaggagc accattgcta 60
 tcaggattca tcatatagaa agcttccgag tctctggacc caacaattct ctcaaacttg 120
 gccctcatgt acatgatttc accctctgac cctgcttcag ctncactatt attattggta 180
 ttatt 185

<210> 13396
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13396

ngatgcctct ctgtataacc ctntntactt ttgggatctt tccaatatct tctagcatca 60
 agtcaagaca atgtgctaca catggagtcc aaaatatatt ttgtctcgtg acttgtgaaa 120
 ttctacctaa aaagaccaa atcaataaac ttgtatgagt agtgaacaa ttaaaagtta 180
 taactactaa aaaaaacttc attaagtatg attgaattct caccgcgcaa cacataatta 240
 cttccattgt cagtcaccac ttgaataaca ttcttttctc caatctcctc aacaaagcta 300
 tccaaaagct caaagatctt ctgaccagtc ttcatgtatt cagaagcatc cacactcctc 360
 acaaattgtg ttcccaacga acaatntacc anaaagttaa tcaaagttct attcttccta 420
 ttcgtccaac catctgacat aattgaacac ccata 455

<210> 13397
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 13397

agcatgcaag ttactaata caagatcata cctcttctta tattctactc tgtatagatc 60
 agtagttgga gctcttcaat actctctact ataaccagac ctacacttag ttatgctgta 120

gacaaagtct gtcaattcat ggtcaatcct attgaatctc actggacagc agtgaataga 180
 attctcaggt atatcaaagg ctgcttacac catggcctac ttctgaaagc tgctacttct 240
 ggaattcaca ttcccagtaa tgccctttgt gatgcagact gagcttctga ccctgatgat 300
 cacagatcta ctacaggagg tgctatttat tctggcctta atcatatata t 351

<210> 13398
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13398

gcttactata acaagagcag acctcttctc ttatcctact ctgtatagaa cagcagatgg 60
 agctcttcaa tactctccac tataaccaga cctagactaa gttgtgctgt aaacaaaatc 120
 tgnctattca tggccaatcc tcttgaatct cactggacag cagtgaaaag aattctcagg 180
 tatctcaaag gctctttaca ccatggccta cttctcaaag ctgctactcc tggaattccc 240
 attcncagta aagccctttg tgatgcagac tgncttctg accctgatga tcacagatct 300
 acttcaggag ttgcctatta ttggcctta atcatatata t 341

<210> 13399
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13399

cctcataaat agaaggagga aactttgcnt tttcaaatgc gtcatttaac aaatacaata 60
 tcatagtcac tgccttgctg cttaatccac aaaaaacttt tatatgatat aatttgatta 120
 taaattctag ttttgtgtac tcgcttcctt catacaatgt ttggctccca tcatttagaa 180
 gctcataaaa gacattatga tcttctcttg gttcatcatt tactatttca tcttcattta 240
 atgggttgta tgcacctaca ttatgggtcat gttgcctata ttgttcaaata gcgtcattga 300
 tcatcatata catt 314

<210> 13400
 <211> 336

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13400

ttagtactgt tgacgccatt ggaaacaggt cgtgcgacta gattatttcg gtgtctaattg 60
 gtgtattcaa ttcaagaaag aggatactac aagccgtact ataatgtgca gatgggtattg 120
 atgaggcttg cctcagattt gatgaagcag ttggccaaat ggagaaacag caacagcaag 180
 atgtagatgc acttcaagtt tcaaaagatg ggactgagaa gaaagattat cctgttgatc 240
 tctctcttcc agatataaaa aatgggatat atagctcaga tgagtntagg atgtatacat 300
 tcaaagttag gccttgctca agagcttatt ctcatg 336

<210> 13401
 <211> 280
 <212> DNA
 <213> Glycine max
 <400> 13401

actcagcttg tgcaacctca gacgcgaatc ttccattctg ttctgcctga atgaacagac 60
 acacatagtc acattccatt tccatgtctg cgtcatgcgg agtgggtggag tgtgtgttcg 120
 tgctgggctg cgcgcggttg ctgtggaagc gctgcaccta cgtgggcagc tactacagcg 180
 ccacgtggtc ctccgccacc gccgacgagt tcgaccggga cccacgcgtc tgccgcctca 240
 tcctcgccaa ctacgagccc gatctccgta cccccaacca 280

<210> 13402
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13402

agtctcacia ttgtcacgtg ctcatgcata aattgttagt cgtggctata cgagacatct 60
 tgccaaacia agtcagggtta gccataactc gcctgtgctt tttcttccat gctatatgta 120
 gcaaagtcac tgatcctgtc aagtttgatg agctggaaaa tgaggccgca attatactat 180
 gccagttgga gatgtatttt cccctgctt tctttgacat catgattctc ttgattgtgc 240
 atctgggtcag agaaatcaaa tgttgtggtc ctgtttatct acngtggatg taccagttg 300

agcgattcat gaagatcttt aaaggatata caaagaatct atatcatcca gaagcatcta 360
 ttgttgagag gtacattgca gaaaaagcca ttgaattntg tcagaatata ttcagaaggc 420
 taaacatg 428

<210> 13403
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 13403

tctacattca atttcgagcg tctcgatatg ttacgggact ctatcagaca tccgagtaaa 60
 aagatattgt cgtttgaatt tgctcagagc atcaacattc aatttcgagc atctagatat 120
 gtgacgggac tgaatcagac atccgagtaa agatttattg tcgtttgaat ttgctcagag 180
 catcaacaat caagttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgcttgaa ttggctgaga gcttcaacat tcaatttcga gcgtctcgat 300
 atgtgacggg actgaatcag acatgcgagt aaaagatatt gtcgtttgaa ttgctcaagc 360
 atcacat 367

<210> 13404
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13404

tgtatctcct tgtcagagta gctctgtccc gaatacacia ctctgaaaac atcatcattg 60
 ctcaagagggt gtttaattcc atgaggagca aganaaggaa ggtgggttgg atgactataa 120
 agattgattt anaagaggct tatgatagat tgagttgggtc tttcatccaa gatattctta 180
 ttgatattgg gctttcgacg agttttgttg agctagtgtg gtattgcata tcttccccta 240
 caatgaagggt gttgcaaaat ggcaaagcat tagaggaatt ttacaagct atgggaattt 300
 gcaaggtgat tcat 314

<210> 13405
 <211> 473
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13405

tagatggaga agaagagagt gcgagcaaaa tagggctcgc gttctatata ttttaaagt 60
aagtccaaca tcggttttca atacaaaacc aatgttaatc aaatgatgtt aacattaaca 120
ttgggttttct ggaagaaacc gatgttaact tatcatatcgt taacatcggt tgtctgaana 180
accgatgtta aagaattgac gttaacattg gttcttgaaa acccgatgtt aatgaactga 240
cgtaaacatc gggtcttgaa aaccgatgtt aatgaatata cattattaac aattatgcca 300
ccgagtttat gttctcatcg gctttgtcaa aaaccgatgt taatctgatg atgttaaatac 360
tacattttca agtagtgcca acaaccaaata agaaaaaatc atatatatat atatatatat 420
atatatatat atatatatat atagatatat caaaagagat acattagagt atg 473

<210> 13406

<211> 293

<212> DNA

<213> Glycine max

<400> 13406

caataacttgg agactcatgc ctcttctctc ttcaaaacag ctatcgatg tcgctggata 60
tataagatca aatatcgagc cgatgggtcc atagaaagat acaaagcacg cctgggtgccc 120
aagggttaca ctcaaacgga ggggttgac taccttgaca ccttttctcc ggtagcaaaa 180
ctcacctccg tacgagttct tctagctttg gccgcactca acaaattggca cctgcggcaa 240
ctggacgtca acaacgcgtt tctccatggt gaccttgaag aaaggtatat atg 293

<210> 13407

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13407

ctcagcttat aatatgaatc taattaatgt gctagatata aataactttt ctaagtgtcc 60
tatatgtgtg gaagctaagt atgcaaagaa gcctttttaa cctgtcaaaa atagaactac 120
ggaactgctt gaattaattc acacggattt ggctgacttc aaaacacagt aagtagagga 180

ggtaaagcat attttattac ttttatagat gatttttcta gatatgccaa agtttatctt 240
 ctaaggacaa aagatgaggc tgaagaaatg tttttaaaac ataaggcaga agttgaacac 300
 caattagatc gtaaaattaa aagacttaag tctgataggg gtggtgaata tggcaactat 360
 tttcttgaga atnttgtgaa aagatgggaa tatcatgaaa tagtgcccct atactctcaa 420
 caaatggat 429

<210> 13408
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13408

nttacatgaa ctcacgataa cacatttgca agagcatcgg tctgccgaca gcgaagccgg 60
 tgtgggcgat gttagatntt gcacttccag gaatgtgtga ttntcaattt gggtaaaaa 120
 ggattangcg aatgaaactg tttntgtcan gaacaatatt gcattgctgc ttccacttta 180
 gaaattaatt ntgtagctta tttttgttc tttaatcaaa atagtgtgtc aattcttact 240
 ttatctttat tntctattat taaatattat actaaaatgg aattttattn tattatTTTT 300
 taatatgtga tttaaattta ttattcttta attgagatan cnttatttta cttntaaaaa 360
 tcttaaattt aatctctata ttttagtgaa catttacttt tactttaaaa attatattt 419

<210> 13409
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13409

ctattgacta atattttttg taatacttaa taaaaatatt gttaaaagtc tttgatcaca 60
 ttcaaaaaaa tattatcaaa ttatgaataa atatcactaa tatatgttta tgacattcta 120
 tcaaatgtta tatatagttt atgttgtaa agcttaaaaa taccataaaa aaactttaat 180
 aatatacgta acatttgata aatattataa aatatattaa caacatttat tcataattgt 240
 gtgacattnt tttgaatgtc gtcaaaagtt ttagtaacat ttttattaaa tgtagataa 300
 aaaaaaata ttgctaaaga tcatgtttgt agtagtgccct ggaagtatgt tgctttctgc 360

actt

364

<210> 13410
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13410

ctctcgagaa atgtaaattgg tcatcataac ttgtcacacg gaagtccgat tcaggcgcac 60
actatatcga gacgctcgaa atctaaccac ggacgctctc tagaaattca aatggtcata 120
acttttagca cgaaagaccg actcaattgc ataatatatc gagacactcg aaattaaaca 180
ccgaaagctc tcgagaaatt caaatgatca taactttnta cacgtaggtc agattcagac 240
ctataatata tcgagatgct cgaaactgaa caacgaaagc tctcgagaaa ttcaaattgg 300
cataacttgt aacaaataag tacgaattat gcgcataata taatgagacg ctcgaaattt 360
aacaatggaa cgtctcgaga aattcnaatg gtcatcactt ttcacatgga ggtcacaatg 420
agacgcatca catttcgaga cgctca 446

<210> 13411
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13411

ctcagcttgt atttgttttc aaatgaggtg gtggaagtta tatatggttt ttaagacaac 60
ctaattaggtg cattataaaa aaagaagacg atctattagg tcatgtatag ctacngcaaa 120
gtgtaacgat gagttattnt gttgagatgt gaacacgcaa aaagaacaat tttcgtacgt 180
tggatgacta atgttgtatg ctagttgtag tgttgtattg aatactttta taaatgaagt 240
tataaatcac tataaatatc tataatctat agaataattc caatgatgat tgtcttagtg 300
agtagagttt cttaaattat atatttagtc tctatagtat tttttgcggg gtcataagtg 360
ttatgttatt atcaacaact tatacctata tttactctaa tgataagata cttctagaaa 420
attactgtta taccctttta ttt 443

<210> 13412

<211> 378
 <212> DNA
 <213> Glycine max
 <400> 13412

tctagactgt atacaagaat gaagctctga taccacttgc tttaacaagtgc gcctcagata 60
 tcttatgata agggggttgaa ttaagatatc acaatctttt atatattaaa attctattgt 120
 gattttaacc caaatcccaa gatttctttc aaaaattgaa ctctaaata attatgcaaa 180
 ttaatcttac tgaatagaca taataagcaa taagcaataa acaataaaaag agtttaaggg 240
 aagatagatt gcaaactcag atttatactg gttcggccac acctttgtgt ctatgttcag 300
 tccccaagca accccttga gagttccact atcttgcaaa atccctttac aagttctgaa 360
 gcacacaaag acaaccct 378

<210> 13413
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13413

tatgactcgg tttcttaggg attcctaaac tatatgatga tgaggatggg attttgtgaa 60
 agatggggaa aatggatcca tggatgcctt tctagtgcga ctatatcaat tttgatcaat 120
 ggcagcacta ctagagaatt tgtgcctgag aggggactga ggcaagtaga tccccttgca 180
 cctttcctat ttaatatagc agctgagga ctactgggtt tgatgaggac aactgtctcc 240
 aaaaaccttt tcagcagcta taaagtgggg agggaaaagg aggagattaa catcttgag 300
 tatgcagatg atacactatn ntttggaaact gcaacta 337

<210> 13414
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13414

catcatttca atttctcatt aagtaaaatg gatcattntc aaggccaac gccttataat 60
 gatcacctct taagtaaaaa aaagatcgc ttgataagca agaactacgt aggtctgatt 120

tcctcatcgc aattgaggat acgtaggagc aaaagccccg cttttgtcga ccacccaag 180
agatcggttaa tgggtccaatg ccttaacggt tctctccttt caaaaacaag agatcggttaa 240
tggccaacg ccttaacggt tctccccctt caaaatcaaa agaccgttta atggttcaac 300
accttanatg accttctgtt caataataac atattgtgca aaagaagata aaaacaactt 360
aaccaaacac 370

<210> 13415
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13415

tgaagacaag actatacgag gtatcttcct tgggtatagc aatatctcta agggctaccg 60
tgtctacaac ttgcaaacta agaaactcgt catcagtcga gatgtggaag ttgatgaata 120
tgcttcttgg aattgggatg aagaanaagt ggagaagaag gttcttatac ccgctcaact 180
acctcaagaa gaagctgagg aagaagaccc aggtgaacca ccttcacctc caccacaaca 240
acaagatcaa gaactatcat caccagagtc tactccaaga cgagtaagat ctttggtgga 300
catatatgan acctgtaact tggccatact tgaacctgga agccttgaag aagcgtcana 360
gcaggaagta tgggtcaagg caatggaaga agagatgcag atgatcgaga aanacaacac 420
atgggagtta gtanatcgt 439

<210> 13416
<211> 277
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13416

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ataaaataca tccaccacct agagaaggga ctcttgcaag cccccaacag tcatcatgaa 120
tataatcaag agttcctttg gtggtgtgaa ttgctttaag aaatataatc ctatgttgct 180
tgccgaaaac acagagctca cagaatttca gttcatccaa tttctgattt cccaacagct 240
gctgtgtttg aagtattatc ataccctttt cactcat 277

<210> 13417
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13417

actagatgcc tgggttaacc tggtaacca gctgggcttg aataaaaaat ctcacctgtc 60
 gccagactct gtgggtttatg ctectctgcc gaccaccaca cagacctttg cccttctgtg 120
 caacaatctg aagcaattga acagcctgaa gcttatgtgt caaacatcta caatagacct 180
 cttcaacctc agcagcaaat cagccacaac agaacaatta tgacctctcc agcaacaggt 240
 acaatcccgg gtggaggaat catgcccaacc ttagatgggt gagtccttca caatagaagc 300
 aacaacaaca gccttanttt tagaatgttg ttggcccaag cagaccatac gttccttcac 360
 caatctagct agaacaacaa caacagc 387

<210> 13418
 <211> 408
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13418

agcttattca aatattcgga ttaagcatat gtttagtttt aaaaaaatta aataattatt 60
 agctcttaga attttattaa taaaggaaaa tatgtaattt ctatttttaa aatgttaaatt 120
 taaatatgca ctaaattgaa tgaagaaaat atattcttac cattatttaa acaactttca 180
 cataacttca aaaacttaac tgcaagtata ccttgatcaa caactagctt gtccgatatg 240
 ttcaacaaca ttatcatatg tcataaaca ataaaatcac tagaacacat ataagggtaa 300
 gctctcttta ctcaatgatg tctctcaagc tagatgaata anaatgaagg tgatgggaat 360
 gagctccaag ttctacacga attttgcagc agcaacgctg caaaagta 408

<210> 13419
 <211> 485
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13419

tagcccacaa tgttctccaa atatggctta agaacttggg atccctatca cttactatgc 60
tcctaggttag gccatggagt ctcaccactt gcttgaaaaa taagtcaact acatggcaag 120
catcatcaac ctttttgaaa cgtataaaat gcaccattgt ttataacatt gcaacaacca 180
caaaaacaaa atccttgcca ctctttgttc taggaaattg caaaacaaag tccatagata 240
tgtcaatcca aggaaaatca cgaactggca gaggatgata taaaccatat ggcttcactt 300
ttgatntttt atttttacaa acaaggcatt atttatgtac atcatgtttc atatgagacc 360
aataaaaatg ctcatgcaat atttctaagg tcttttgcac cccagaatgc caccatcaaa 420
tcacctcgt gtgcctcatt taccaacaaa tctcttatgg aacacttagg cacacacagt 480
ctttt 485

<210> 13420
<211> 458
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13420

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tcaatttcac tatctttgtg cgagaggaat ttctctctct acagacatta ttttgcaaatt 120
cccaacaata ggaatgtgca aaaatgagtt ttgaagggtg tgtccaaatt tcaggatgat 180
tcaatgggta acaagtctag gatcatagtt ttattgcat agatttgcat gtatgcggta 240
aaaagagaga gtttttggag atgaagaagg gagaacaatt ttgaaagaga gctctatttt 300
actccctatt gaaataaata aacaaaacat cctttntatt ttctaaaaac atatttattn 360
tatttacctt anaaccatta ttttaattaa taaaactatg catccttatt tattttacaa 420
aanatagggt gttactgggt agctaatatg cagatcaa 458

<210> 13421
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13421

agcttcaaga atcaagatca agattcatga ctcaagattc aagaatcaag agaagactta 60

atcaagataa gtatgaaaag gttntttcaa aaactgagta gcacatggat ttttgtcaaa 120
 acatgtttac caaagaatth ttactctctg gtaatcgatt accagattgt tgtaatcgat 180
 taccagtaga aaaatgaatt tgaaaaagtt ttcaaagaa tttataacgt tccaattgat 240
 ttcagaaagc tgtaatcgat tacaatgtgt tggtaatcga ttaccagtgc ctttgaacgt 300
 tgaaattcan attcaaagt gaagagtcac atcctttcac atannagcct tgtgtaatcg 360
 actacactga ttnggtaatc gattaccagt gattgtnttt gaataaataa aagatgaact 420
 nttanatggt tttgactttt aaattgttta agttttctta agcatactct ct 472

<210> 13422

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13422

ngctaaccce tggaagctcc taatatctcc cacactntnt gtgggtgggce attcttggat 60
 gaccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa accctaagaa 120
 aaatatatta tctgcaccaa aaatacactt ctctatatth gcatagaggg tgtttttcct 180
 aaagactgaa agaacttgcc tgagatgtcc caagtgatca tctaggctcc tactgtacac 240
 taaaatatca tcaaaataaa gaactacaaa tctatctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttgggtgcatt agtgagccca aaaggcatca ctagccattc 360
 atacaaacca aacttgggtct tgaaagcggg tntccactca tgcgcccttn tcatcctgat 420
 tnggtgataa ccacttttaa gaatcaatth tg 452

<210> 13423

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13423

cttgatccgc ctctatatth tccacaatcc catcctccct ccagataatg agcttctggat 60
 gaagggtaga tggcacagct ccaactccat gaatccactc ccttcctaath agcaagttaa 120
 aattagcctt agactgtatc accaggaaaa gagttgggtcg aactatactg cctacagcaa 180

catctacttg aatggctccc aaagaatagc cagttttacc ctcataattc gaaagcacia 240
 tgttggtgggc agatagatca gtgtcatggt tcccgatctt gtagagcata gatcgaggca 300
 ttaagttgac agccgctcct ccatcaatga gcactntggt gattccaaca ttctcaactt 360
 ttgctctgat gaaaagaggt ttgagatgaa ttntcatctg aaaatctggc tnttcgaaat 420
 aagctaattg ctcttccaca cagccattat tcataacata gtaacatac 469

<210> 13424
 <211> 471
 <212> DNA
 <213> Glycine max

<400> 13424

agctagaaga ttcatttgga ttttgtgaac ttggtatagt ctaaagtctt atagttcgga 60
 tctttaacct ccaattgtgt ttgtcaaaga atattttaga gattaataaa aattgtgtag 120
 tcatttcaaa agcaggtggg ataaattaca aatggtatgt gccaaagata ctacttatcc 180
 actttttgat atgatccagg ttagcagagt tgaaatagggt tatttatatt tataatcaca 240
 tatttatcct tttttatgga tttgaagaga cttttaaaaa gaaaatggaa ctttatggat 300
 tctacattgt tattaatatc acacataata acatacaacg atattcatag tcatattctt 360
 ttaattttta cgtgaattta attaattgaa ctatttttta aacatcataa acaaaatcca 420
 tatcttttac attaattgaa ctacttttga attgttacta ttcttctaac a 471

<210> 13425
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13425

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 taactgacgc aatcctaccc cgcaagggca ttggatagaa gactccaagt agattggggc 120
 agagatccaa gggaaggccc tagggttctc atgagcctta gggtagattt tgaccccatg 180
 ggctaagtat gagcccgtt atctttgtaa atattagaat agggtttttc cttcgtttag 240
 gccttgattt ttggccattc tagtagtata aggttttagc cttgtatttc gaggcatttt 300

gagtagtctt tgtagttggg accttttttg tattttcatg tatnttgtca tgggggtgag 360
 cttagatatt gtanggggcg ttagcanag ttctagcttc tcatctc 407

<210> 13426
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13426

ttgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacttgacaca 60
 gtggccaaag atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
 atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcctgcac tgccttgnga 240
 gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagaacatt gcaacatgag agtggatgaa 360
 ctcatgtggt cccttcaaac ctttgagcta ngactctcgg atagggctga aaagaagagc 420
 aagaatctgg cgttcgtgtc anatgatgaa ggagaagaag gtgagtatga ccttgatact 480
 gatgaag 487

<210> 13427
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 13427

accttgctaa ttcaattagg aattcccttc ctaatattct agtgatcatc ttgatgttgt 60
 gacttgtaat cttgaagtat tgtcttgaat tttaatcttg aaaagcccat ttgcatcaat 120
 tgcaacacat catcatgatc atcatcaaaa catcaaagcc aattgcatct acacatgtgt 180
 cctccacctt cgagattgga gctatgtttc acgattgcct aagtgcggac cctcaaggca 240
 atccgccatt ctcccttttt ttttcggaga cccatgaatg ttattgccta gcgctattca 300
 tgtgccctcc accttcgagg ttggagctat gtttcatgat tgcctaagtg cggaccctca 360
 aggcaatcct ccattctccc cttttttgga gccccatgaa tgtcactgtc taacactgtt 420
 cacgtgtcct 430

<210> 13428
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 13428

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agcttcattg agaaaacttc cttgagaagc taatgcttat ctacacacac ccctctcata   60
actaagctca cctccttgaa a4ggtttcctt aagaagattc ctaaagaagc tagagcttaa  120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agaacttagc  180
tacacacccc ctataatagc taagctcacc cccatgacaa aaaacatgag aatacaaaaa  240
aaaagtcctt actacaaaga ctactcaaaa tgccccgaaa tacaaggcta aaaccctata  300
ctactagaat ggccaaaata caaggcccaa atgaaggaaa aacctattct aatatttaca  360
aagataagta ggctcatact tagcccatgg gctcgaaatc taccctaagg ctcatgagaa  420
ccctacggcc ttcccttgga tttctagccc aatctac                               457
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<210> 13429
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 13429

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gactcttgta agttggcact tggatacatc tttgtgatag ttaacagagc aatatcttgg   60
agaagagcta aacaatcatt agttgccacc tcaactatgg aagcagagct tgtctcatta  120
tttgaggcat catctcaaag ggtatttggg tgaacaatt cattgttggg ctacaaatag  180
ttgatttcat atatagacca ttgaagatat attgtgataa taaagctgct atttttctgg  240
ctaaaaacag taaaagtgga agcaaagcaa gcatattgtg gaaacaaaag aaatcattac  300
tcaacaataa attaatgatt                               320
```

<210> 13430
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13430

nttaaaagat atttactctg tggtaatcga ttactagtga ctgtaatcga ttaccaatgg 60
 ccaaaatgct tattagaatg ctctaaaatg tttaatatgt tttaaagttt gtaattgatt 120
 acacaaggct tgtaatcgat tatcagaagt tnttgaacat tttaaaacaa cttttagaaa 180
 tttgaattta aatttcaaag cctgtaatcg attacagagt gtatgtaatc gattattaga 240
 gttaatattc aaatttcaaa tgtgaaaagt cacaactctt cagaatacaa ctgtgtaatc 300
 gattacatca ttctggtaat cgattaccag tgaggaattt tctaaaataa ttcctaacag 360
 tgattttgaa tggccatcaa tacatangtg acttgggaca caaattttc 409

<210> 13431
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13431

acgacaataa ctntatacaa ggatttccga ttgagtcccg taatatatcg agacgctcca 60
 cattgaaaat ggaaactcgt agcaaatttg aacgacaata actntttact cggatgtccg 120
 attcagccct gtcatatatc gagatgggcc agattgaaaa cgcattgcttg taaaaattc 180
 aaaatacaat aacttttcac tcggatgtcc gattgagtcg cgtaatatat cgagatgctc 240
 caaattcaaa acggtagctc gtagcaaatt caaacgacaa taacttttta cttggatgtg 300
 cgattgagtc ccgttatcga gacactcgaa attgaaaacg gatgttcata gcagattcat 360
 atgacaataa cttttacttc ggatgtgcta ttgagtcgct gcctatatag agatgctccc 420
 aa 422

<210> 13432
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13432

catgcaagct tcttcacata gaccgccttt gctcgacctt ctttatgact aaaaacagac 60
 acattatgca taagcaaaag atcaagagga gttagtggat taaaaccata acaacttca 120
 ataggagaac aattagtggg gccatgaaca gttctatggg aagctaattc aacatggggg 180

aaacaagctt cccaagtttt taagttatac ctcaaaactg gcctaagcat agttcccaaa 240
 gtcctattaa caacttccgt tagccatcgg tttgcgggtg acaagtgggt gaaaataaca 300
 atatagtgcc caacttgctc caciaagtcc tccataaatg caaatcatca tgcctaggta 360
 taggatgcct atatttaatg gtgatgttat aagggctcta caatcagaac acatgcgcca 420
 tgtcccattc ttnttaggga ccaaatcact gggacagcac atggactcat ac 472

<210> 13433
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13433

agcttctata gaaggttngt tcctaatttc tctacaattg cctcacctct caatgagctg 60
 gtaaagaagc atgtggcatt tacctgnggt gaaaaacaag agcaatcctt tgctttgctc 120
 aaagaaaagc taactaaggc acctgttcta gctcttctg acttttctaa aactntttag 180
 ctagaatgtg atgcctccag agtgggagtt ggagctgttt tgttacaagg tgggcactct 240
 attgcttatt ttagtgaaaa acttcatggt gccaccctta actaccctc ctatgataaa 300
 gagttttatg ccttaataag agcactctga acttgggaac attaccttgt atcctaagaa 360
 tttttcattc atagtgatca tcaatcactt aagttcatta gagggcaaag caagttaaac 420
 aaaaggcatg caanatgggt agagtaccta gagcaatttc atatgttata aatacaaaag 480
 ggaaa 485

<210> 13434
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13434

tattacggac actataaaac tcagcttcac attcataccg agcgtctcga tatactacgg 60
 gactcaatca gacatccgag taaaaagtta ttgtcgtttg aatttgctca gagcttcggc 120
 attcaagtcc gagcgtctca atatattacg ggtctcaatc agacaaccga gtaaaaagtt 180
 attgtcgttt gaatttgctt agagcttcgg tattcaattt cgagagtttc gatattattac 240

gggattgaat cagacattcg agtaaaaagt tattgtcggt tgaatttgca cagaacttcg 300
 gtattccatt ntgagcaact cgatatatta cggactcaaa tctgacatcc gagtaacaag 360
 gtattgtcgt ctgtaattgc tcagagactt gataatcaat ttcgagcgtc tcgatatgt 419

<210> 13435
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13435

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 atatatccag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataag 120
 tntctactcg tatgttcgat tgactctggt aatatatcga aacgctcgaa attgaagacc 180
 gaaggctcga gcaaattcaa acagcaataa ctttttactc ggatgtttga ttgagtcccg 240
 tagtatatcg agacgctcgg acttgaatgc cgaagctctg cgcacattca aacgacaata 300
 acttttttcc tcggatgtct gattgagtcc cgtaatatat cgagacgctc ggacttgaat 360
 gccttagctc tgagcaaata caaatgacaa taacatttta ctcgga 406

<210> 13436
 <211> 366
 <212> DNA
 <213> Glycine max
 <400> 13436

tatatctgat cgccatagtg atacattcaa aaaagatatc ctgtgcatct tcccgatcaa 60
 agtatcgccc atcaccatcc aacaccaaca agccattctt cgaatcctcg ggaggcaatg 120
 aattatacag ggcctacaga tgcacagaat tctcacttac aaagcaaagc cataattcat 180
 gcaatcatac attgcatgga aatctacaaa cctgtatcca atttgcgaga gaaaagactt 240
 gcataaacac tttcacctgc aaaacaaata tgctataat taattatatg gaaaatacta 300
 ctctcacact tccaacatgg agctacaccc gtcaataact ccttataact gtgtccaatg 360
 tgttac 366

<210> 13437
 <211> 388

<212> DNA
<213> Glycine max

<400> 13437

tgtaagggtta aagtctcacg attgtcacgt gttgatgcaa caatggttag tcgtggctat 60
acgagacatc ttgccaaaca aagtcaagtt agccataact cgcctgtgct ttttcttcca 120
tgccatatgt agcaaagtcg ttgatcctgt caagtttgat gagttggaaa atgagaccgc 180
aattatacta tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgggtca gagaaatcaa atgttgtggt cctgtttatt tgcggtggat 300
gtaccccggtt gagcgatata tgaagatctt aaaaggggat acaaagaatc tatatcatcc 360
acaagcatct attgttgaga ggtacatt 388

<210> 13438
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13438

ggatccttaa gcacctgcng ctgcaagctg acaacgtcgt gaattttgta gtacattgta 60
tcaactagag gctgntaaac aatccaatcc agaaattagt gtgtcagtga gtgtagaata 120
agagacagcg agaagagaga aagaggaagg atgtggaatt actgtgctgc cccagcggtc 180
ttgaggatcg acgtcggcgc ctgctctgag cagcaagcca actacgtcgg tgcggccctg 240
gcatgcggcg acttggagcg cgggtgcggcc gtcaatgtca gtgaaattga cgtcactccc 300
ggcgtccaag agtccttaa taccgtccga gtcgccttcg ttggccaaat acattaaccg 360
gaccg 365

<210> 13439
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13439

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ttgntcaatt tcgagcttct cgacatatta tgcaccogaa tcagatatcc ttgtgaaaag 120

atatgactat ttgaatttgc cgagagcttc cgatgtttta tttcgagcgt atcgatatat 180
 tactagcttg aatcggacat ccgtgtgaaa atttatgacc atttgaattt ctacgagctt 240
 ccgttgtcaa attccagctt ctcgatatgt gatttgcctg aatcggacat ccgcgcgaaat 300
 agttataccc gttgaaattc tcaag 325

<210> 13440
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13440

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 ctttctcttg tacacatcca agcactcctg ttctaactga agaagcatct tgtctcgttg 120
 ctcatcgctc tcaccaacct catcccatat ttctacagt gtataaagat aatgtaatta 180
 tctaattcca ttattctgta gagcattctc atcttaagtg acaaagatga atagctgaat 240
 gtagttagtt acctgaagct ttcttaacaa ggaaccacat gtgttttctc caagaagagg 300
 attctgagct tcggtcactg ccattgaagt cccagcgaca cttaccctgc acctccaaaa 360
 acaaaaatga catgaaaatt ttctctcctt ccaccaaacg aatagagaaa catc 414

<210> 13441
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13441

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 caagaataat caagataaag attcaagaat caagagaaga ctcaatcaag ataagtacta 120
 aaaacgtttt tcaaaacatt gagtagcaca agaatttttc acaaaatcgt ttaccaaaga 180
 gttttactct ctggtaatcg attaccagaa ggtagtaatt gattactagt agccaacatt 240
 gttttcaaaa ctgatttaca aagctataat cgattaccat aatcatgtaa tcaattacca 300
 atgtntntaaa acattagatt tcaaatttca agagtcacaa ttagtggttaa aacattntca 360
 aatcattttt aacttgtgta attgattaca caatacttgg taatcgatac cagagtatct 420

annacgtttg attntcanna attannatga agagtcacat cta 463

<210> 13442

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13442

agctngtgta gcgataattc tagctgggaa aagtatttct cacctattac ccagatgtcg 60

gtgcagcttg ataatagttt cctcctcttc cttggtgtag tttcctcttt tgaggtttgg 120

ccttaggtaa ttcagccacc ttagtctgca actctttcca catctcgcaa gacctaacia 180

attaataaca acaacaacia agtaaaacca attacaatgg attcatatat gatttagcta 240

taagctgtgc atgtatataa ttaaataattg aatatatggc tctacaaat tcatgtagaa 300

gttaaaccia accttgaaaa cagagaagaa gaataattga aagccacatt ggcgactata 360

ttgatggtac atactctcac atacttaatt tgtttctgac caaacta 407

<210> 13443

<211> 485

<212> DNA

<213> Glycine max

<400> 13443

ctttcgaagt ccactgttga aatcatagca cgcttctctc tgtgaatagt ttcattccacc 60

acttcattga gaatcagaat tccatggaga atgtgcctat tttttatgaa ggctatctgc 120

ctttcatcaa ttaactcatc cagcagaatc ctcaacctat ttgccaagag ttgtgctatt 180

actttatata tgcagccaat gagagagatg ggctgtgat catttacaga ctgcggctga 240

gatatcttat gaataagagc cacttaagag gcattgctgc ctctaggaaa gcttccatga 300

gcatggaatt catccacaaa ttttcgaaaa tcatgtttga gcagcccca caactccttg 360

ataaatctaa aattaaaacc atctggcccc gagcatttat caccagcaca actccaaata 420

gcatctctga tttctgaatc agagaaaggc gcagtcagct cctctctttg attatgatga 480

atcat 485

<210> 13444

<211> 354
<212> DNA
<213> Glycine max

<400> 13444

agcttctggt gggacatcat gacttgctat ccattctgat attcaccaca gattctgcct 60
tcttctatctt tcagattgggt aatgcctcta acagcacctt tgtcaatgat tatcttcatg 120
cctcttaagc gcagatgtcc aaatctttga tgccatattt tgacttcata ttctttggat 180
aatagacatg tggaggagca actgtgttct tgagggtgtc atatgtgaca cgagtcctta 240
gatctgctgc ccttcaatag gactttactc ttttcattag caccaagcat tctgactttg 300
cgaagattac attgaatcct tcattacaca actgactgat gctgatcaag ttct 354

<210> 13445
<211> 458
<212> DNA
<213> Glycine max

<400> 13445

gaatactact ggacataatg ggtttcctgt cattgatgat ccacctttct cagattcacc 60
agagctatgt ggacttgtag tgagggtctca ttactagtgt ttactgaagg agaagattct 120
ttcaagggat aggggttttg caaatcaaag gatcttccaa agaatttcta ctttggattt 180
tggacaggcg ggatcacgaa acgggatcaa actacaggat ctgatatacc aagaggaaga 240
gatggatatg tatgttgatc tccatcccat aactaatgca tctccttaca ctgtggctga 300
gacaatgtca ctagccaaag ctgctattct tttccgacaa catggactca agcacatgtg 360
tgttgttcca aagaaccaat ggggtatgata tcttttcttt tccctccac aaaatgatat 420
tatatactcc ttactcgaa tctgtcatat gcattctt 458

<210> 13446
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13446

tgctcgcata atcaactgga gtggatcttt attatacata acacacttag tttatgtgtc 60
atccagtga gctagattac ccgggtgtga cctttaccta tccaaaggac taggactgag 120

ccctgatact caacgagtca tgctctatct tgctggttgt tcgggaagcg tggccggctt 180
acgtgttgcg aaagacatag ctgataacaa ccctggaagc cgagtgtga tcgctatctc 240
agacactaca attattgtgt tcaagccacc aagtgcagat agaccttatg atctagntgg 300
tgtggcactc tatggggatg gtgctggtgc aatgataatt ggctcatacc caatattgga 360
gtatgagaag cctgtctttg agcttcacac tgcagttgac gaggttttgc cgcacactg 419

<210> 13447

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13447

ctaagcttaa catcagacca cttccagggt gctggaacta cttcacatgg acttgatggg 60
gcctatgcaa gttgaaagcc ttggaggaaa aaggatatgcc tatgttggtg tggatgattt 120
ctccagattt acctgngtca actttatcag agagaaatcg gacacctttg aagtattcaa 180
ggagttgagt ctaagacttc aaagagaaaa agactgtgtc atcaagagaa tcaggagtga 240
ccatggcaga gagtttgaaa acagcaagtt tactgaattc tgcacatctg aaggcatcac 300
tcatgagttc tctgcagcca ttacaccaca acaaaatggc atagttgaaa ggaaaaatag 360
gactttgcaa gaagctgcta nggtcatgct tcatgccaaa gaacttcctt ataatctctg 420
ggctgaagcc atgaacacag catgctacat ccacaacaga gtcacactta g 471

<210> 13448

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13448

agcnnittgag caattcanat ggtctgaact nttcactcgt agctctgatt taggcacatc 60
acatatatag acgctcgaaa ttgaacaacg gaagctctcg agatattcaa atggtcataa 120
cttttaactt ggagggtccga ttcaggcaca taatatatcg agacgcccga aattcaacaa 180
cggaagcact tgagaaaatc aaatggcatc taattttaac tcggagggtcc gattcaggcg 240
catcacatat agagacgctc gaaattgaac aaaggaagct cttgagatat tcaaattggc 300

attacttntc actcggaggt ccgattcagg cacataatat atcgagacgc ccgaaattga 360
actacggaag c 371

<210> 13449
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13449

gcttacaata gagctgntca tagcaccact aattgttctc cttttgaaga tgtttatggt 60
tntaaccac taactcctct tgatcttttg cctatgccta atgtttctgt ttttaagcat 120
aaagaaggtc aagcaaaggc ggactatgtg aagaagcttc atgagagagt caaagatcaa 180
attgagagga agaataaaag ctatgctaaa caagccaaca aaggagagaa gaaggttgtc 240
ttcgaacccg gagattgagt ttgggtgcac atgaganaag aaagggttcc ggaacaaagg 300
aatcaaaagc ttcaaccaag gggagatgga ccatttcaag tgcttgaaag aatcaatgac 360
aatgcttaca aagttgagct gcccgngag tataatgtta gttccacctt caatgtctct 420
gatntatctc tntttgatgc agatg 445

<210> 13450
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13450

agcttgaatc ggacatccgt gtganaagtt atgtcgattt gaatttctca agatcttccg 60
ctggtcaatt tcgagcttct cgacatatta tgcacccgaa tcggatatcc ttgtgaaaag 120
ttatgactat ttgaattctc cgagagtttc cgatgtttta tttcgagcgt atcgatatat 180
tataagcttg aatcggacat ccgtgtgaaa atttatgacc atttgaattt ctcaagagct 240
tccgttggtc aatttcgagc ttctcgatat gtgattcgcc tgaatcggac atccgtgtga 300
aaagtatac cacttgaatt tctcaagagc ttccgttggt cagatttgag cgtctcgata 360
tgtgatttgc ctgaatcggga cattcgtgtg aaaagtatta ccatttgaat ttctcaagac 420

<210> 13451
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13451

ctaagctact caattgctcc aggttgctgc atggaaaggc atatgtctgt atggtggtca 60
 gcagaggagc ataaaccaca gactcttgcg acaggtacag atttctgatt caaggccagc 120
 tgggttacca agttaaccaa tgcacttagt ttgccttcaa gcttcttagt ttcagatgat 180
 gcagatgagt ttgtagctac ctcatgcact cctctaataga ctatagcatc atttctggcg 240
 ctaaactgct gggagttgga agccatcttc tcaattaaat ttttggcttc aacaggagtc 300
 atgtctccaa gggctccacc actggcagca tctatcatatc ttctctccat attactgagt 360
 ccttcataaaa aatattggag aagaagctgc cccgaaatct gatggtgagg gcaactggca 420
 cantaatddd taaatctctc ccagtattca tataggctct cttcactgag ttgtctaata 479

<210> 13452
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 13452

caggctccct ctaattcatc gagtaactca tcaatgggtg gaattgggaa tctgtccttg 60
 acggtaaatgt cgtttaaagc tctgtagtca acgtaaaaat gccatgatcc atcacgtttt 120
 ttgaccaata atacatggga tgagaatggg ctagtgcttg gaattatgcc actccggagc 180
 atgggtttcta cctaagtttc gatttcttat ttttgaaaat aaggatatcg ataggggtcaa 240
 acattgatgg gttcagagtt gggatatcaag tgtatggcgg gattgggtgg gtgggatggg 300
 gggaggggtca ttggtgtgtg gaatatggtc acgaattgtg tgagttaatt gcgtatttct 360
 ggggtattaag cattgtcgaa cgtgggtagt ggattgtcgg agttgatgat acgtatgtgg 420
 aagaaaatac taacactgtc catatgtact attcatc 457

<210> 13453
 <211> 474
 <212> DNA
 <213> Glycine max

<400> 13453

gtagattgaa gaaggtaatg ctagacataa tagatgaaag acagtctgca ttcatagggtg 60
gaagacactt gttgcatagt gtattgatag ccaatgaagc ggtggaggaa gcaaagaggt 120
gccaaaagtc atgtttggtg tttaaagtag actatgaaag agcatacaac tccgtctcgt 180
gggatttcct atcatacatg atgcgaagat tgggcttctg tccaagtgg attcattgga 240
tcgagggtta ccttagctca gcctcggttt ctatattggt aaatggtagc cccacaaacg 300
aattcattcc acaaagaggc cttatacaag gtgatccctt agcgcctcta ttgttcaata 360
ttattgcgga aggcctaacc ggtttgatga gagaagcatt ggataagaag ctgttttagca 420
gtttcctagt gaggaaaaac aataaggcag tcaacatctt acaatacact gatg 474

<210> 13454

<211> 459

<212> DNA

<213> Glycine max

<400> 13454

agcttgtaat cgattacaca catactataa tcgattacca aaggagtttt tcagaaaaca 60
ttctcaacag tcacatcttt ttatctgttt cttaaattggc catcaaaggc ttgtatatat 120
gtgacttgag acacaaatth tgataagagt tttgaagatc aaaaaggctt tctcctctta 180
acaagcaaaa ttgttttatc ctcttaaaaa ttccttggcc aaaacacttg tgattcaata 240
aggaattatt tgagtgtctc aattgttcaa tctatctctt tcaagagaga tttcttcttc 300
tcttcttctt tattctgaaa agggattaag agaccaggg tctcttggtg tgaaagaatt 360
ctaaacacaa aggaaggatt gtctctgtgt gtttagaact ttgaaaagga atttacaaga 420
tagtgaaact ctcaagcggg ttgcttgggg actggatgt 459

<210> 13455

<211> 502

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13455

ctattacgga cctataaaac tcagcttgggt acaattctct catcctatcc tccaactccc 60
atgtagaatc accctcatcg gttccccact gcaccttcac caacgcgatc tcctttcctc 120

tcaacgactt catccttcgg tcagtgatct tctgagggtg tgctctatag gtgaggttat 180
 ccttcacctg tacctcgtcc actgcaagta tatgtgatgg atctggggtg taccgtctca 240
 gttgagagac atgaaacaca ggatgcaaat tcgataaact cggaggtaag gcgatatgat 300
 aagctacagg cccaatcttc ttcaaaatct gatatggacc tagatacttg ggtgtcaact 360
 tcctagcctt aagagctctt ccgactccgg ttacgggaga aaccttcaaa aacacatgtt 420
 ctcttcctg aaaatctagt ggcttcctcc ttctatcata atagctcttc tgcctatcct 480
 gagatgctnt tatcttctct cg 502

<210> 13456
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 13456
 agcttcagaa ttcaatttcg atcgtctcga tatattcagg tctcaatcag acatctgagg 60
 aaaaaagtta ttgtcgtttg aatttgctga gagcttcaac attcaatttt gagcgtctcg 120
 atgtattacg ggacttaatc agacatccga gttaaaagtt attgttggtt gaatttgctg 180
 agagcttcaa cattcaattt cgagcgtctc gatattttac gggactcaat cagacatccg 240
 agttaaaagt tattgttggt tgaatttgct gagagcttca acattcaatt tcgagcgtct 300
 cgatatttta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
 tgagagcttc aacattcaat ttcgagcgtc ttgatgtatt accggactca atcagacatc 420
 cgagcaa 427

<210> 13457
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 13457
 agcttatgaa cctcatatga acttagtgga ttttgtaaca aattgtaggc aataacaatg 60
 cattgactaa tagtttcatc ctcgaaatct tatcaatcct ccaaaacaag catgagaaca 120
 tattccagta catccatgcc ttttcattct atttagaata attaataaaa aagtcgatgc 180
 tacctaagac aagcaaaatc acaataaagg ccttcatctc taaagattag ctcatthaag 240

aatgtcaaaa ctggcatcaa tcctttcttt gtaagccaaa atatggcaca aaagctaaaa 300
gagcaaataa caacaaaaca taaaatctaa taaggctaatt gatcacaatt cacaaaaaaa 360
tagagtagat agatattatc ttataaagaa actaaagagt tgctcacacg atgaaatgtg 420
tatat 425

<210> 13458
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13458

agcttatcaa tgtggcagtt ccggtgacca ttgacgaact ggcgatcaat acaaaanata 60
tactcaatcc atgggaaagg aatgaaaatc acacactttg cctcaactct gctaaagcaa 120
ttggatgtac agtagtcaac attggcaccc aggacttcat tgaaggaagg gtatgcttgt 180
aggcattcaa gtttccaccc ataaaagcag aattattgtg ggcgtgtaca ctgcagaaca 240
acaaaattta agattaaatt taatttataa atgaaatcct ttgttaagtt atgaaatagg 300
aattttttta ttttaaaatc aaatcctttg ttcagaaagt tataagaaat cttttttttt 360
ttttttttaa ttttagttgt gtatactaca aagaaatctg gtcaaactctg atta 414

<210> 13459
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13459

atcttgttca tcaatggagt nccttgcttc ttgaagatta atggtagcgg aatggagatg 60
gaagaatact gattggaaat gccacttcaa ggagaagatg agtcaagaag aagctcacca 120
ccatatgaag ccatggataa gagcttgaag gtaggagaaa ataacacgag ggagaggagg 180
agaaggaaca caacattntg tgcctcaaaa caggtctgaa ctttgaagtg taattctcaa 240
atgatcaaag ttgaaaaatg cacacacatg acctctatct atagcctaag tgtcacacan 300
aattggaggg aaaattgaat ttctattcaa aattcacttg aatttgaaat tgaatttgtg 360
gagccaaaat ttcattaatt atgattaagt gaatttcagt atg 403

<210> 13460
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 13460

gagaataatg tctaattctt gaagtctaatt ttctcaaattg atcgaagatg aaaaatgcac 60
 acgcaacggc tttatatata gccttacagc acaccaattg gaggaatttg aatttattga 120
 atttccttgg atttaatttg aggagcccaa atttcaccaa ttataattaa tgaatttccg 180
 atatgggtact acccactaat gcaagatcaa gtacaagatt ctgcactaag tgtgcttaag 240
 tgtcatgaag catgtatagc atgaacgaca tgcacaaagt gtgactatat gatgtggcaa 300
 tgacgtgtag caagcaaattg ttcaccttcc cctt 334

<210> 13461
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13461

atatggagct gactggcagg tcaaaagcct cgagcacgga atatattaat aagttctcgg 60
 catctctcct ctcaattctga cccctttgga tctgtgtttg aagatgactt tagtttttgt 120
 taatgttatt tatctgattg tttattgaaa caatatacaa ctttagagca tagacctata 180
 aggtaccatc catgggtgta ttggacatac gtgtagcttc tagatgctat tgtaacattc 240
 tngttgaaga tatgtaatat ggaccagtaa tggatcaatt tcgtanaaga gcttactcgt 300
 tattatatta acgtttacca ctctagttaa gtcgcgtcca tacttaatat ggataatgat 360
 tttattatga tatacttacc gtctaacgga ct 392

<210> 13462
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13462

atgactgttn gactatgcct tgtngcttca tgmtntaatt tgaacatctc gatataattat 60

gcgctgaat cgggcatcnt gagtgaaaat tatgccatat gagttagtcg acagcttcgn 120
 tgggtcaaatt caagcgtgtc gacatattat tggcctgaat cggacatctg agtcanaagt 180
 tatggcagtt taaatttcca tgtgcttcca tgtttaattn tgagcatctc gatataattat 240
 gcacctgaat cggacatct 259

<210> 13463
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13463

ctttcactcg gaagtgcgaa tgagtcctgt tatatatcga cacgctcgan nattaaaccg 60
 aagctcatag cacattcgaa cgacaataac ttctcattcg gaagtctcga tgagtcccat 120
 aacatatcga gatgctcaaa atagaaaaca gaagctcgtt gcatattcga acgacaataa 180
 cgttntactc ggatgtccga ttgagccccg taatatatag agacgctcga aatttaacac 240
 cgaagctcgc agcanattct aacgacaata acttttctact c 281

<210> 13464
 <211> 182
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13464

ctaccaacta caaaccttaa gaaaactata ttatctacac aaaaagtaca cttctctata 60
 tttgcataga ggggtggtttt cctaaggact ganagaactt gcctgagatg tcctaagtga 120
 tcacttaggc tcctactgta cactanaata tcatacaaat aaacaactac aaatctacct 180
 at 182

<210> 13465
 <211> 205
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13465

gacaataact atttactctg atgtctgatt gagtcccgta atatatcgag acgctcgaaa 60
 ntgaatgttg aatctctgaa catattcaga cgaccataac tttctactcg gatgtctgat 120
 tgagtcccggt tatatatcga gacgctcgaa attgaacgcg gaatctctga actaattaaa 180
 cggctatact cttcactcgg atgct 205

<210> 13466
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13466

ttcttctaga cttagagaga taacatgtaa tctcttgaa cccttacctt ccactctctc 60
 atcatgccga gactccgga ccctaacagg ttttgccctt tccatgtact tgaaacanaa 120
 ctcaatagct tctttctcaa tgtacctttc aacaatagat gctntacgac ggtgtagatt 180
 atntgtatac cattntaaga tcgtcatgca tcaactcaacc gggtacatcc accgcanata 240
 aacgggaccg caacatttaa tntctctcac catatgaaca atttagtgaa ccatgatgtc 300
 aaaacatgag agaggaatat atatctcaa ctgacatatg ataataatag cctcattttc 360
 tagctcatct aacttgagag gatcaatgac tnntgcacat at 402

<210> 13467
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13467

cctactatat actatcttct ctccatgtnt cagtaggatg aagttggtgg ttctatcaca 60
 tatagggcat gcatgatgtc ntttgacact atatccactt aaatttccat atgtnggaga 120
 gtcattaata gtacaaaaca ctattgaacg taacctgaag gtctgttgca tattggcatc 180
 ccatacatca accccgtctt ctcacnaatt tctcatgtct tcaatcaatg gattgagata 240
 cacattgata tca 253

<210> 13468
 <211> 303
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13468

tcttctctga tcatnngctg gtcacaagtc aatcctgttc tttntgtat ttcatttctg 60
ggattctctg agcattcaag aagaaaatgt gacttctnta cctcatgtac ttgatcttct 120
agcagtgtaa tgcattcctc ctgtanatca ttctgtggca taatcctact canaactntg 180
ctgaaacgag tgcttttatn gttttgtaag gatcgctctc tagcatttgt catggatctg 240
tcagtaacca ccattggctc attctcatct gctatagtaa cagcagctgg tgtcttctct 300
ttt 303

<210> 13469

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13469

tctgaagctt gtaatTTTTT tcattgtatc ttttagacta tttattatgg aagcttatct 60
tgttacatat ttcaagcaac aatattatTT aataataaga tcagattttt attggtcatt 120
atatacgaag tagattataa tttagtgggt atctaaatat tttattataa tttaaaaagt 180
ctaatacacag aatcaccact ctgggattat catctacaat ggatacatgt gctactatat 240
actttaatta tatacaccat acatgttgaa tcaccagta ccaaatacata tgntacacaa 300
aactaccac ccattctcgg tgctaattag gtctgaatat aaagctTTTT ttgaaatt 358

<210> 13470

<211> 170

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13470

aaccttagat ggtcgaatcc ttcacaacat caacaacaac cttatnttca aaatgtggct 60
ggccaagca gaccatacgt tcctccacca atccaacaac aacaacaaca acagcctcag 120
atagaacaaa cagttgaggc ctctccacaa ccttcccttg aagaacatgt 170

<210> 13471
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13471

ctcgagagct tccgttgtca atttctagcg tctcgatata ttatgcgccc gaatcggatc 60
 tccttgtgan anagtatgac tatataaatc tcacgagaac ttccgttggt caatttctag 120
 cgtctcgata tattatacgc cagaatctga catccgagtt ataaagtatg accatttgaa 180
 tttctcaagt gcttccgttg gtcaatctcg agcgtctcta tatattatgc gcccgaaatca 240
 gatctccttg tgaaaagtat gactatt 267

<210> 13472
 <211> 232
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13472

gcgacacaca actcccaccg catatagaat atcgggcctt gtattgggta gataccttaa 60
 actccncaca agactctnga agatcngnga gtctaccttc tctccttcat cannaattga 120
 taacttctaa gccaccttca taggtgtggt cacgggaatg caatcaagca tattaaatnt 180
 cttcaacact tcttttgtgt agctttcttg tgagacaaag ataccattct tc 232

<210> 13473
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 13473

ctcactgaca atctccttgg atagaagctt ctcttgattg aaatgacaat caatctctat 60
 gtgcttactc ctttcatgaa aaactgcggt cgaggcaata tgaagagcat cctgattatc 120
 acaatacaac ttcaatggta actcttcata atacctcaat tctcgcagaa gctgtctaata 180
 ccacattagc tcacaagtaa ccatagccat 210

<210> 13474
 <211> 267

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13474

aatgcctcta acagcacctt agtcaatgat nttcttcacg cctcttaaga gcagatgtcc 60
 aaatctttga tgccatatat tgacttcacg ttctttggag gatagacatg tggaggagta 120
 actggtttct tgagggtgcc atangtaaca cgtgtccttt gatctgctgc ccttcattag 180
 aacttcactc ttctcatatt gcaccaagca ttctgacatt tgtgaagtta catttgatcc 240
 ttcatcacac aactgactga tgcttga 267

<210> 13475
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13475

acggagtttc cgactatgct cttgtgtggt ggaacaagct acataaggag agagcaagaa 60
 atgaagagcc aatgtgtgat acatggacgc agatgaaaaa natcatgang aagatgtatg 120
 tgccggctag ttactcaagg gacttgaaat tcaagctcca aatactaact caaggaagca 180
 aggggggtnga ggagtatttc aaggaaatgg atgtgctcat gattcaagca aagatngaag 240
 aagatgaaga ggtaactatg gctcgnnttc ttaacggtnr gactaatgat atct 294

<210> 13476
 <211> 453
 <212> DNA
 <213> Glycine max
 <400> 13476

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 gcaatagggt gccaccttg taacaatata gtcceaactt ccactccaga ggcatcacat 120
 tctagctcaa aagttttaga aaagtcagga agagctaaaa caggtgtctt agtaagcttt 180
 tctttgagca aagcaaaggc tcgctcttgt ttttcaccct atgtaaagtc cacattcttc 240
 ttcaccagct cattgagagg tgatgcaatt gtagagaaat tatgaacgaa ccttctatgg 300
 aagcttgcta acccatggaa gtcctaata tcttctaata accgaccact aacctataat 360

acataattac cattcttaga accgcagttt catgggtgtt tgcattactt taattccatt 420
tatgtacaat tccaacaaac tatttagtct ata 453

<210> 13477
<211> 436
<212> DNA
<213> Glycine max

<400> 13477

agcttcaaca ttcaatttcg agcgttccga tatattacag gaatcaatca gacatctgaa 60
taaaaagttg ttgtcgtttg aatttgctca gagcttcggt attccatttc gagcgtctcg 120
gtatattaca ggactcaatc agacatccga gtaaaaagtg attgtcgttt gaatttgctc 180
agagcttcaa cattaaattt cgagcgttcg gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtcatt tgaatttgct cagagcttcg atattccatt tctagcgtct 300
cgatatatta cgagactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
tcagagcttc ggtattccat ttcgagcgtc tcgatatatt acgggactca atcagacatc 420
cgagtgaaaa cgtatt 436

<210> 13478
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13478

agcttcccaa gtctntaagt tcttctcan aactgtccta agcaaagttc ccaatgtcct 60
attaacaact tctgtttgcc tatcagtttg tgggtgacaa gtggttgaaa ataacaattt 120
agtgcccaac ttgccccaca aagtcctgca aaaatggctt aagaacttag agtccctatc 180
actaacaatg ctcttggca aaccatggag tctcacaatc tccttgaaaa acaaatcagc 240
cacatgggaa gcatcatcaa cttttttaca tggaataaaa tgagccattt tagaaaacct 300
atcaacaacc acaaaaatgg agtctctacc accacttggt tttggcagcc ccaaaacaaa 360
atccatggat aaatcaatcc aaggatactc cggaattggc aatggagtat acaatccatg 420

<210> 13479

<211> 381
<212> DNA
<213> Glycine max

<400> 13479

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acccttttat ggggtctcaat ccgttttctt gttttctctc aattttttca tttgcatggc 120
tttctctctc accgtcgtgg gaaaaagtga tgatcttttt gttctatttt ttgcggggtg 180
tggtgaaaag ggtttatcgt ttgtttgttg cgtctgattc gcagggtgaa tgcacgattc 240
caaaggatga tggaactctg gtttcctatg tgggattcaa gatccaacat gataatgctc 300
gtggtcctat gaagggaggg attacgtatc ctcccgaagg tctcgggggt tgaaccttta 360
tattgatttt gtttctcatc a 381

<210> 13480
<211> 407
<212> DNA
<213> Glycine max

<400> 13480

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ggcgataaac atccatcatg agaagagaat tgactcgccg gttgacaagg acctgaagaa 120
cgactatgat gggattgaac tcgatgaaat agctcaagtg gctcttctat gtactccata 180
ccttccaagc tacagaccat agatgtctga agtggatggg atgctagaat gagatgggtc 240
tgcagagaaa tgggaggcct cacagagagc tgaatccaca agaggtagac gctatgaact 300
ctcatcttca gagecgtact ctgatctcac tgatgactct tcattactag cccaagcaat 360
ggaactatct ggaccaagat gatctacata gtcactgcga cactgaa 407

<210> 13481
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13481

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acatccgtgt gaaaagttat gaccatttga atttctcaag agcttacgtt ggtcaattat 120

gagcctctcg acatattatg cgcccgaatc ggacatccgt gttaaaaggt acgagcattt 180
ggatttctcg aaagctatct tgggtcaatt ccgagcatct cgacatatta tttgcccga 240
tctgaccttc gtgtgaaaag ttatgaccat ttgaatatct cgagagcttc ctatgtttaa 300
tttcgagcga ctcgatatat tatatgcatg aatctgacct tcgggtaaaa gttatga 357

<210> 13482
<211> 402
<212> DNA
<213> Glycine max

<400> 13482

gcaagcttct atagaagggt cgttcctaatt ttctctacaa ttgcatcacc tctcaatgag 60
ctagtgaaga agaatgtggc atttaactgg ggtgaaaaac aagagcaagc ctttgctttg 120
cttagagaaa agcttactaa ggcacctgtt ctagctcttc ctaacttttc taaaactttt 180
gagctaaaat gtgatgcctc tggagtggga gttggagctg ttttgttgca aggtgggcac 240
cctattgctt attttagtga aaaacttcat ggtgcgaccc ttaactaccc cacctatgat 300
aaagagcttt atgccttaat aagagcactc cgaacttggg aacattacct tgtttccaag 360
gaatttgtca ttcatatgtga tcaacaatca ctttaagttca tt 402

<210> 13483
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13483

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accacacaa acatctgaaa gaattccata ttgtttgctc caccatgaaa ccccagatg 120
tccaggagga tcacatattt ttgaaggcct ttctcattc tttagaggga gtggcaaagg 180
actggctata ttaccttact ccatgggtcca tcacgagctg ggatgacctc aagagagtat 240
tcttagaaaa aaatttcctt gcttccagga ccacgaccat cagaaaggat atttcaggta 300
ttagacaatt caatggagag agcctatatg aatactggga gagattaana agttatgtgt 360
cat 363

<210> 13484
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13484

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gtctctatgg caggaatgat cactntaatt aattctgttc tgacagcctt gcctctgttt 60
tacctgtctt tcttcaaagc tccttcagca gtgttaaaga ggcttatttc gatccaaagg 120
aattttctat ggcgtggagg tgctgaaggg aaaaagattg cttgggcggc ttgggatcat 180
atctgagttc ctagaataca atgagggcta cgaatcaaag ctctcaagga ctctaataga 240
gcccttctca ttaaattgaa gaggctgctg ttccaccaat cagactactt gtggagcaga 300
attcttacct caaaatataa aggttggaga tggttggagg agaattccca caagcagact 360
cattcctat 369
  
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<210> 13485
 <211> 486
 <212> DNA
 <213> Glycine max

 <400> 13485

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agaacttgga atcattacta gaatggctat tgaattatta gtagacagta aatctgctat 120
tgatctagca aggaatccag tctctcatga ctgaagcaag cacattgaga ctaaatttca 180
ttttctgaga gatcaagtgg ctaaaggaaa ggtaagcta gtacattgca gaactgaggt 240
tcagctagct aacataatga ctaaggcgtt gaaggctgac agattcaagg agctgagaag 300
gaaaataggc gttcagagtt tggaggatta agaagttttg ttcagtaaatt gttgttgtaa 360
tgttcttggt gttgattcac tgtttttgaa tcaaagggga gtgttaggga taattaattc 420
caaaatagtt actagtttgt tagtagttga tggtaggttag ttagttgttt tagtctatat 480
atagat 486
  
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<210> 13486
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13486

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atagcttgtg tcttcttcat agatatggca tgcacgatgg ttcttaacac tgtatccact 120
caaattccgt atgctggaaa gtcatttatg gtacaaaata gcattgcgcg taacttgaat 180
gtctcatttt gatacctacc aaacacgaca accctctcat ccataactt gcttaagtct 240
tcaatcaagg gattgagata aacatcgatg ccatttctta ggtgtcttgg gcccgatatc 300
atcatagaca ccatcatgta ttttcgcttc atgcacaacc aaggaggcaa gttgtaaatt 360
actaacaaaa taggccacga actgtgttga gtgcttaaac tgtcacatnt cattagtagc 420
aagttcaagc ctaagatttc 440

<210> 13487
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13487

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tattctcaat tagctcagtt gcctcttcag gagtcttcag ctttattttt ccccttgttg 120
aagcatctag cagttgcttg gtttatagtc tcagcccatc tataaacata ttcaattgaa 180
ttggctcaga gaacccatgg atgggattct ttctcaataa aactctaaac ctctccaacg 240
cttcactcaa ggactcgta gggaactgat gaaatgaaga gattgcagcc ttcccttccg 300
cattctttga ctatgggaaa tatttcttca gaaacttttc tacaacttct tcccaggttt 360
tcagactgtt acccttaaatt aagtagagcc acctcttggc ttctnctgcc aaggaaaatg 420
aaaactggct gagtctaata gcctcatc 448

<210> 13488
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13488

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 ctcacaaaat gacaatttat ctctgtgtct aatatgttca tggaagacta gattggatgc 120
 aatgtgaaga gtggtttgat tatcacaaat aagcttatgg ccatatgttt cttcaaattg 180
 gagctgccgg agaagttgtc atagccacgt aatttcactt acaactgctg ccaaggcaca 240
 atattttgc tccgcactag atctaacaat tgtattttgc ttcttgcttc tncagtaaag 300
 ataagtacct ccaataagaa cacaaaaacc agaggtagat ctctgcttg atggtgat 358

<210> 13489
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13489

agcttcatca acaacatcga tttcataata aaatagcatt ggttcttacc aaaaaccgat 60
 gtctgttatc agaaaacaac atctattttt agtgaaaatc gatgttggtt tattaccagc 120
 aacatcgatt ttttactaaa aaccaatggt gtcttcatat attaacatcg gttttggtaa 180
 aaaccaatgt tgatatgaag atatatgact tttttttata attcttacta tataatattg 240
 attattttaa taatcgatgt tgtaatttta tgtaaacatc ggtttttagaa aaccgatggt 300
 aaccgtatta ctttcaacgt cgatactttc aaaattgggt gaataaccaa ttggaaagtc 360
 ctttaataacc gatgtaaaaa cctattntct agtaatgtct caccctgggt ctttcatg 418

<210> 13490
 <211> 477
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13490

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 aaagaggata ggcttaaact ccaactgtac ctcacctcag aagtgcctga cagccaaatg 120
 ctcttcctag tcattgggtga gactcttgta gaaagcagaa tactcctcct ttgtgatctc 180
 ctcaggcttt gtcactctaa tggccttggt cttgttcacc aatgagcatt catgtgacac 240
 ttcttaatc ttctttttat tntgttctcc cttgtccttc tcttcatcaa catcctgcac 300

ctaagtacat gaaaaaatta cttattgaag taaaattgta attaaaaaaa taccaaaaaa 360
 taaaaaaatt acattctana gtacttttnt agatgttatt cgttatggtt caagtaataa 420
 tcatgatgaa aatngatcca tgtgtgtttg atttctttta tcagcaaata tgatatg 477

<210> 13491
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13491

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 attgaaaatn gaagctccta gcaaattcaa atggcaataa atttttactc ggatgtccgc 120
 ttgagtccgg tactatatcg aaatactcga aattgaaaac ggaagctcgt agcagatgca 180
 gaccgcaata acatttaact cggatgttcg attgaatccc ctaatatatc gagatgctcg 240
 aaattgataa tagaagctct gagcaatttc gaactacaat aactctatac tcggatgtcc 300
 gatagaggtc cgtaatatat tgagatgc 328

<210> 13492
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13492

agcttgtagg aaattcaaac gataataact ttttattcgg atgtccgatt gaatcgggta 60
 atatatcgag acgctcaaaa ttgagactag aagctctgag caaattgaaa tgacaataac 120
 tttatacacg gatgtccggt tgagtcccgat aatatatcga gacgctccaa attgaaaacg 180
 gaaactctta gaaaattcaa acaacaataa ctntttactc ggatgcccga cagagtgtcg 240
 taatttatcg agagatgctc caaattgaac acaaaagctc gtatcaaatt caaacgacaa 300
 taacttttta ctggatatc tgattgagtc ccgtaataa tcgagacgct caaaagttag 360
 atccgaagct ctgagaaaat tgaattgaca ataactttat acacggatgt ccagttgagt 420
 cctgtatata tggag 435

<210> 13493

<211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13493

actaccctng gttcgctaac atggaanact ttaaggccac agaacaacca ccagaaggta 60
 taaaattcca caagagataa aggttcttcg gagaagccac caagtatgtt cgggattacc 120
 ctattctttt ttgtattggt cctaacaatt tgtaagacg atgtgtaaca aagggagAAC 180
 aaactagcat attttcacat tgccacaact caccatatgg aggcaacttc aacggagaaa 240
 gaacaactgc aaagatcttt caagccagat tctattagcc taaattcttc aaagatgctc 300
 ataaccatgc acgatcatgc gacaactggt aacgaactga caacatatct agacgacatg 360
 aaatgccatt acagaacatg cagagat 388

<210> 13494
 <211> 391
 <212> DNA
 <213> Glycine max

 <400> 13494

tgcaagcttg atgccaacat tggagagggt aatgaatcaa cgagatgatg cgctccatga 60
 gaggttggat caaatggaga acagagatca taatgattaa gaaaggcgga gaagagggaa 120
 tgatggtggt cctagacaaa accgaattga tggattataa ctcaacattc ctccctttaa 180
 aggaaagaat gatccggagg cctacttgga gtgggagatg aaaatagagc atgttttctc 240
 atgcaacaac tatgaggagg accaaaaggt gaagcttgcc gccacagagt tttccgacta 300
 tgctcttggt tgggtggaaca agctacaaaa atagagagca agaaatgaag agccaatggt 360
 tgatacatgg gcgaagatga aaaggatcat g 391

<210> 13495
 <211> 400
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13495

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aagaagtttg tagagactgc ttccctcatc aaacctgata acccttcagc agccaaaaca 120
aataaaaaag gggccaaagg atccccttgc ctcannacct cttgaggctt aaactcctca 180
gttggactac catttacaag gatggatatt gaagctgaag aaaggcagcc ttttaacccaa 240
ccaatccacc tttcatggaa ccccatcttc ctcaacatat agaaaataaa tngccaggac 300
acagagtcac aagctntctc anagtcact ntaagcacta aacacgaatt cttttgcctc 360
tagcctcctc acaacctcac ttcaatcaga actcatgtac 400

<210> 13496
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13496

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gagaggaaga gaagagcaca aaattttgtg ttctaaaaga gctctatctg aagtttcatt 120
tttaaatgat gaaaattgaa aaaatgcaca cacatggcct ctatttatag cctaagtgtc 180
acacaaaatt agaggggaaat ttgaatntct attcaaattt cacttgaatt tgaaattgaa 240
tttgtggagc caaaatttca ctaattatga ttagtgaatt ttagctatgg ttaagccac 300
taatccaaga tcaagtccaa gattctccac taagtgtgct taggtgtcat gaggcattga 360
aagatgaagg acatgcacaa agtataacta tatgatgtgg caatgggggtg tagcaaacaa 420
atgctcacct cccnctctaa aatttaattg g 451

<210> 13497
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13497

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ttggcttgtc tagcatagct tttatnttc ctctcaattt gatctttgac tctctcatga 120
agcttcttca catagtccgc ctttgcttga ctttctttat gcttaaaaac ataaacatta 180
tgcataggca aaagatcaag aggagttagt gggttaaaac cataaacaac ttcaaaagga 240

gaacaattag tgggtgctatg aacaactcta ttgtaagcaa attcaacatg gggtaaacia 300
gcttcccaag tttttaagtt c 321

<210> 13498
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13498

tatgtagatc aaccccctgg atttgaaaac tcagacnaga ctaatcatga ttttagatta 60
aaaaaggctn tatatggctc aaagcaatat agatactact cttttcataa agagaaaatt 120
acatgatatt ttattgggtc aaatttatgt tgatgatatt atttttggat ctactaatga 180
attattgtgc atggaattct ctcatgacat gcaaagtgag ttgaaatgt taatgatggg 240
agaacttaat ttctttcttg gattacaaat taaacaaacc aagactngga attttgtcaa 300
tcaatccaag tactgcaaag agttaattca catatt 336

<210> 13499
<211> 363
<212> DNA
<213> Glycine max

<400> 13499

agcttatcac cacactcctt caaaccactg gcctcaccac caacaacttc agcttcgtga 60
atctcacttg cgactcccaa tttggcgta tctcgatcct cttccccgca ccgtactctc 120
cctctaattgc caccatcctc ttcttcataa agaagcgtga tggcactaga aaaccactga 180
gcgccactac gctgaacttt ctctcatcg gtagggacac atcgttgggtg gcgctaagct 240
ggttcttctg actcttcatg aaccacccca tcgtggaaga aaagatcctc gcagagctaa 300
cgttgggtgct tacttccact catggcggcg accgacgaca ctggatggag gaggcaatgg 360
act 363

<210> 13500
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13500

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aggttctcca tcatctgtta ggatcacata ctcatlagga gaatacctct tagaagggttg 120
tctctcccta ttggaccccc tgagttgaag ttgagatggg ttggtagcat caccaagatt 180
ttcatcttgt gacatgtcat gtcctcctc ctcatcatca gaagaaacat ctacctgctc 240
tctaggttgt tggacaccaa catcattctg agcatccata ttcaaattct gaataggcgg 300
ctgaactggg tgaaaatcag ccacatcggt gtcttccttg ggtgtagact tctccacctt 360
accattgtct tcaatgggtt ggttttccat gaatttcaca tcacgaatta taacaagctt 420
cttctcaaca ggatcat 437

<210> 13501

<211> 397

<212> DNA

<213> Glycine max

<400> 13501

caccaccatt accaaagcca gagctcaat accatcaaaa tcagcatggt caatagccaa 60
tattcccgca tcagcaaaga gtcctctgg aaaattgtaa atcaactgtc tgtaacaaa 120
acagttgata ccatgacctt ttatcttctg caccttttct ctcatcttct ctttctctgc 180
tgtttcaatt tgagcaactc tagccataga atcaacacga acacgtgcac catatatctt 240
cactttgtct gtgtccatgg cagtgtttgc caccagtatc tttgcattct ctatccgctt 300
gtgttgcca ataccaattt tcttgtcaag aatgaatctg atcaaataat taaaacagaa 360
agaaagctta ctttctaccc agagtaataa aatgata 397

<210> 13502

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13502

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tcatcaagac catcatcac atacattcac aaacatcgct atattgtcgt aacaacccat 120
tgtcttttga accatggatc cctnccactc aagttttggg gttatgcatt gtaaactgca 180

acgtgtctca tcaatcggat gccctctctc acactaaacg aaaagtctcc attagaagtc 240
 ttgtttcatc gtccatcaaa ttatagtaaa ctaaaagctt ttggttatct ttggtttcct 300
 tgggtcactc catatacaac taacaaac 328

<210> 13503
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13503

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 gaagaaaatt ttatcagtga aaataaaata ttttgaatat gaattttgta gtattttttt 120
 aattagatta ggttgggtgtt aatgatttat tagtgtgtta ataattcatg aacgtttcaa 180
 ctttcattta aaaaaattag tagatcatat ttatttgaag aaagtatttt gagtatgaaa 240
 tttattttta tatgaagttg tagtattttt ttaattagat taggttcatt tttttgtgtt 300
 aaaaattgat aagcgttcaa gttgaaagtg ttatttgatg atgttttggt gtttcttgta 360
 tcatatttaa tttaatatat nntgtagtaa tttgtaatta cctattttca ttttgaagtt 420
 attattggta agaattaata tttt 444

<210> 13504
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13504

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 taattcaaatt caagtttatt ataaatacta aacttccatt aaaagacaca acaaacggcg 120
 acggataaat acagggtatt ttactaatct atataaatta gaaactggcc agtggatttt 180
 ttacaggact tctaattatg gttgatgaaa agataattta ttttaaattt aattaaaatg 240
 tattgatagt ataatttttt ttacaatgaa atctaattat gaattatcat atgataaaat 300
 tattaatttt atattctctgg ttgcttagtg tggaggtaaa ataaataatc tgtcaatggg 360
 tgtcattgag ataactaaag tacgaattta ttaacgggca attaagtatc tatataaata 420

ctccggtatc tc

432

<210> 13505
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13505

agctaggtat agctagtatt ctttgtccta tgtatacgta tcaaactatt cctggctcta 60
acacaaatta gaagatttat tngtttgatc gcataatgac taacattcat cacttaattg 120
tgcattagag catatttatg cagtagaatg cttctattga tggttaattga agaatttcag 180
agtttgactn tattttattct tcataggatt cgatagattc tagaaaaatg tctatgcaaa 240
atagatctca gacacaaaat attaaataaa atcttaaalg tcatttttaa tggtatatta 300
gaatatgatt tgattttgct atcgtctaaa acattatata cagatttcac caatatatgt 360
tatgatacac ataagaccga actttttaaca tttatatttg tttatatcta atcacaataa 420
ttagagatct ttaattatct taagatac 448

<210> 13506
<211> 308
<212> DNA
<213> Glycine max

<400> 13506

agcttcttaa cgcttattca ggggtacaact aattatgatg caccctccat acgaggaata 60
aactaccttc atcactgaag acgccaactt ctgttatagg gtcatgcctt tcggactcaa 120
aatgatggag ctacatacta gaggctcatg gaccaggctt ttaaacaatca gataggccag 180
aacgttaagg tatatgtgga cgacatgggt atcaagtctt atagtgtggc ccaacatgta 240
gcagacttga aggaagtatt tggagaaacc tcgaaatatg acatatgcct caaccctgaa 300
catgcacc 308

<210> 13507
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13507

agcttacttc atctagctnt tctctcctat tatgaatttt cttctgtttt tcagcagtct 60
tttttattga aaattctgtt gcttacctga attttgttat ataggggtct atgcaggcga 120
tccttcaaaa ttaagtatga aagcagcatt cgggaaagtt tggaagctgg aaaaaaatgg 180
tggtagcatt attggtggaa ctttcaaagc aatacaagag agaaatggag cttcaaaacc 240
acctcgagat ccgtaataat atatttgctc tggatttttg ccataattta ttgagtattt 300
cactaattca attaatcatg taggcgtctg ccaaaaccaa aaggtcagac tgttggatct 360
ttccggaagg gacttaccat gttgcctgat gcaatttctg gcaggtacta catgtngtct 420
aatac 425

<210> 13508
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13508

tctacaaagc atacggctnt ctggatgtag atgatgttat ctatacagat ggatcttata 60
tatctatata tctatagata gatatataga tatagatata tagatataga tcatacaatg 120
aagtaccgca cgagtgggta tataggaatc caaatctgcc gaatcactca tgttatgatc 180
ttctacatcc taggtcttcc cgttccttca tctggcttat gttcttcatg tagcattcag 240
actgaatgac tctatgaaat tacgtcgcta cttccacatg gtacgggtaa cgtatgagac 300
atctctattt ttcccggggg gaatccttag aattaccaca gcttagcttt caattcgctt 360
ctgaccatca aatgaaatgt gaataaccg tcttccctc ttt 403

<210> 13509
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13509

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tgcagatata taagggtgaca ttttaggatt ccattttcta gtaccgtggc caaatgaac 120

tcctgcttcc atcatctctt ccaagattat gttccaatat ctttttgtca tttatattta 180
 tccccacact tttctttcat ttcaaaatcg aaattctata aattttttga aatgaaagaa 240
 agagacccgg tatactgaaa tagaaataag tgttccaaag gaaccttctc ttctaccgaa 300
 gaatggcctt tgataaatga tcgggccatt ttttctattt aatatttaat atgattattc 360
 tctctattat ctttctttta ttatacaaaa taaaatgacc gaagatgaat ccgctcttaa 420
 gaatcattat tttanggaat attaaatact a 451

<210> 13510
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13510

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 tgagaagatc aaacgtcgat agttgatcag aaatatatca taaaagataa aagaactaag 120
 tgtatatgta aatataatat atagaagttc acacatatat aaactgaagc aaaaatatgt 180
 taatgcatca tataaaatat aggcaagtgt acatacgaat agatcttttg tcttgtgtag 240
 ataggcacia tagtattaat gaatcgataa ttgcaaaatc aggttatgaa agatctgaca 300
 aaaaacagag ttttaaatat atatgcgaac ataagatata gaaact 346

<210> 13511
 <211> 258
 <212> DNA
 <213> Glycine max
 <400> 13511

gcttgctaac atttgtgtta ttacgaactt tccttatctt tatatggaaa ctggtcatga 60
 acatcttgag aagttggtat ctgatccact ggaccagacc catcaatctg atgaagcaac 120
 tatttctcaa cttcaggggtg tgcagcacc acatagacaa cagaacacaa agtaaaggac 180
 gaggttgctg agacatcacc gaagcgctcg caagtaacac cacttatgga ctcatgtgag 240
 aacacattct ctgacaca 258

<210> 13512

<211> 505
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13512

ctttaatgcg gtttcagttc anatgaacta caaagattag ccattattta ggcatgtaac 60
 atgatataat attcctaggt gggttttcctt ttgactagtg tgactagggg catcaagaag 120
 attgttttaa ctatattatg ggcttaagag gtttatttat ctaacttatc ttcaccttca 180
 acacaacaca aacatattag caacatcaat tnttattcct gagtgcgtgtt aattntaagg 240
 tgtatactga tgcgagacct gagaccagaa aggcataatg tagatggggag tttgatgtca 300
 tacccttaca atgaaattgc tgataaataa ataagttggc agatgtttgt caaaacagcc 360
 acaaaagggtg gcacatgccca ccttgctact gacaaatatt caaatatata tgtaacatgg 420
 tgaggaagat gctggatggg gaatctctct ccattgtagt ggaggtgtcg catcactatt 480
 caaccattca ttcattcatt cacca 505

<210> 13513
 <211> 470
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13513

tcatgctgaa gcatgtatgg canaacttca ttagtggtgt tcaacacata caagtgaagt 60
 tgtaacanat cttctacact tggagtgata acatgcagtc ctcttgaacc cttaccaccc 120
 actctatcgt catggaaaga ctcaggaagg ccagcagggtt ttgccttttc aatgtagtat 180
 aaacaaaatt caatggcttc ttttgcaatg tacctttcaa caatagatgc ttccggacga 240
 tgtagattct tcgtataccc ttttaagatc ttcattgtatc gctcaaccgg gtacatccag 300
 cgcagataaa caagaccaca acatttgatt tctctaacta ggtgaacaat taagtgaacc 360
 atgatgtcaa agaaagcagg aggaaaatac atccncaact gacacagtat aattgcagtc 420
 tcattntcca ggcatcaaaa cttgacagga tcaaggactn tgctacatat 470

<210> 13514
 <211> 432
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13514

agcttcttag tttcagatga tgcagatggg tttgtatcta cctcatgcac tcctctaatag 60
actatggcat catttttggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
tttatggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
tgatgggtggn ggcaactgac acatagtttc ttaaattctt cccagtactc atacaggctc 300
tctccactga gttgtctaata acctgagata tccttcctga tggctgtggt cctggaagca 360
gggaaaattt tttctaagaa tactctctta aggtcatccc agctcgtgat ggaccttggg 420
gcaagggaat ac 432

<210> 13515

<211> 372

<212> DNA

<213> Glycine max

<400> 13515

agcttcaacc tagaggagac gaaccattcc aagtgttgga gaagatcaac gacaatgcct 60
acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
ctctttttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caaggaggga 180
gtgatgaaga cataaccaag ggcaaggacc atgaagcact tgaagggtccc atgaccagag 240
gcgacttaa acaagcccaa cacatcatag agacaaggct ggtcatttgt atagctgtca 300
ttgatgatga ttgaaggccc aagtggagaa agatgaaggc ccagaggcag aggcactacc 360
aagactacta at 372

<210> 13516

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13516

agctntgagc anattcaaac gacaatatct nctgtttcgg atgtgagagt ggggtcccgtg 60

atatatctag acgctcgaga ttgagaactg aagctctgag aaaaatcata cgacaataaa 120
tctttactcg gatgtgcat tgagttccgt aatatatcga gacgctcgca atggaaaaca 180
gaatctctga tgagattcaa acgagaataa catttatctc ggatgttcga ttgtgacccg 240
taatatatcg agaggctcga aattgaaaac tgaagctctg agaccatgaa acgacactag 300
ttcttaactg ggatgtccga atgagacccg tagtatatcg agacgctcgt aattgaaaac 360
agaagctctg agctatctca agcgacaata 390

<210> 13517
<211> 473
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13517

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ggaaattgct aggtttcatc gtgagccaga aagggataga ggtgaacccc gtatcgagag 120
gcaggtctga gggtttcctgg gacgtttgaa ttatattgcc agattcatat cacagctcac 180
cgctatttgt gagccgttgt tcaaactctt acataaaaac caaaccgctc gctgaaacga 240
tgattgtcaa gaggcattcg gaaggatcaa aaagtgtctc ataaaccctc tcgtgcttat 300
gccgccgta cccggaaggc ctctcatctt gtatatgaac gatttggacg agtcgatggg 360
atgtatgctg gagcaacatg acgagtcggg gaggagagag cgcgctgtct actacttgag 420
taagaagttc acggcctgtg aaatgaatta ctcccagctc gaaagaaacg tgt 473

<210> 13518
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13518

tgatggaggg agttgagatg atagacctg gtttaatgac cttctttctt ggcatggaga 60
tcaaacaagg agaacatgaa gtcttcattt gtcaaaagaa gtatgccaac gagattttta 120
agaagtttaa acttgaagaa tgcaaagaaa tgagcactcc aatgaatcaa aaggaaaaac 180
tntgcaagga agatggaacg aagaagatag atcaagcata ttttagaagc atgactgggt 240

atttaaatgta tcttacaaca actcgacctg atatttttaa tggtgtaagc attttatctc 300
aatttatgaa ttgtgcaagt gaaatgcac tcaaggctgc aaaaagggtg ataagatatg 360
tcaaaggcac ttagcaatct ggcatcaagt tcaagagaac tgaagagttc aagct 415

<210> 13519
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13519

gatatttaag atggatgac atgacagtct ctagagtctt agaaagggtg tattaaatag 60
gaagggaatt ccaattgaag tagcaaaaag tttggccaag aaatttaagt taaaaagtct 120
ttttcaacaa atttactctc tggtaatcga ttaccagtgg ccaaaactga ttacaacaa 180
ctattaaaat ttgaattcaa aatttgact gtgtaatcga ttacacatat atggtaatcg 240
attaccagca gtttctgaac gttttaattc aaattntaaa gcttgtaatc gattacacaa 300
atactgtaat cgattaccag agcagatttt cagaaaatat tctcaatagt cacatctttn 360
tatttggttc ttgaatggct atcacaggcc tatatatatg tgacttgag 409

<210> 13520
<211> 502
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13520

ttgctcanag cttctgttct gaatttcgag catctccata tactacggga aacaatcgga 60
catccgagta aaaagggttt gttgtttgaa ttttctaaga ggttatgatt tcaattttga 120
gcgtctcgat atattacgag actcaatcag gcatccgagt aaaaagttat tgctcgtaga 180
tttttcttag agcttctatt tccgattatg agcgtctcga tatattacga gattcattcg 240
gacatccgag taaaaagtta ttgtcgtttg attntgctca aagcttctgt tatgaatttc 300
gagtgtctcg atatactacg ggacacaatc ggacatccga gtaaaaagtt attgacattn 360
gaagttgctc antagcattc gtgtcaatta cgagcgtcta gatatattn aggattcatt 420
cggacatccg agtaaaaagt tattatctgt ttatttngct cagagcttct gggttcaatt 480

tcgagcatct cgatatatta ca

502

<210> 13521
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13521

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ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaggattca cgatgccgga 180
tacaatgtcc aggacatcct gcctgaaaat actggaattg ctaaaagcat tgaagctgca 240
ggatccacga tgtcggatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga agttgcagga tccacgatgt cggatacgat gtccaggaca tcttgcccga 360
aaatactgga catataaatc tggtatatct ttaacagatt attgtgcagn tagcaagaga 420
ttagatgatc tatctttagg aacgaattan aagataatta aagttcgaat taaaaactag 480
aa 482

<210> 13522
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13522

ttacggacac tataaaacta agctggtatg catgattgga tgtttatgat cctcanagct 60
tggatgttgn gaaacataaa cttcctcttc aacgtatcca tttaggaaag aacttttgac 120
atccatttgg tataacttga aaccataac acaagcataa gcaagtagta atcttacggc 180
ctctagcctt gctattggtg cataggtttc accanagtct ataccctatc attggttata 240
gcccttggct actagccttg cctcattcct aagtatcana acatgttcat ccaattaatt 300
cttgaacacc catttagtgc caatgatgtt catgacntta gaataaggta ccaattccca 360
tacgtcaatt cttttaaatg gttcaactcc tcatgcatgg acattattca aaact 415

<210> 13523

<211> 437
<212> DNA
<213> Glycine max

<400> 13523

tgcttggttg gcgaaacaga cagccattgc aatttaatat ggcgattggg atgagtcata 60
tgcgaaactt tcgtcgtggc taacacacat gcaaaatcat tctcctggat catattttca 120
agtactacat gacgatttta tcgttgggaa tacggttagt cgcgaacacc gtcagtttca 180
tagagttttt tggactcttg ggcaatgtaa agaagcttcc aagtactgga agccaatcat 240
acaagttgac ggcacacatt tgtacggcaa ataccgtggg accctcttaa tggccacatc 300
acaagatgga aatggtggtg tccttcctct agcattcgcg gtggttgaag gtgagacgtt 360
gacagcgtgg tcatgtgttt tggacacttg cgtgaccaca aacccttgca caggtacaac 420
cctggatgga ggaatca 437

<210> 13524
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13524

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tgattatatg aatgaaggac tccttgaaga aaagttggta cattgatagc ggttgctcca 120
aacatatgac gggagatgca tcaaagttta ttcataatttc tcaaaaaaaaa tagtggacat 180
gtgacctatg gagacaacaa caaaggtaaa attccttggag ttggaaaaat aggtacaaat 240
ccttctacct ccatagaaaa tgttttactt gttgatggcc ttaagcatag tttattaaat 300
gttcttcaat tatgtgataa aggcctttttg gtatcttttg attctcataa ttgcttttga 360
tgagactaac tctnttatgc caagaaatgg tactacteta ttaattcatt ataaatggct 420
gaatgttntt cttctctc 438

<210> 13525
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13525

agcttcaagc tagttntatc cacatagtgg atatcttccc aaagacaaac ttgggagttt 60
actcaataat catccaaaaa cactttttcc aataatttag ttttctcatt gaatttcaat 120
gcatttggtt atatgaatta ataaaggaga ataatgaaa taagaaaaaa attattgttt 180
gatttgtaaa tgaaactgaa atgaaataaa tgtttctaata aagttttaat attgttttaa 240
gcaaaagtgt gggcaacaaa aggatatact ttntagaata aaaaatacat tnttttaatt 300
tgtcagtata tctttatgag catttanatt gcaatatttt gttctttaag gatattctaa 360
ttatttctat taaaaaagga tatctaagnt atttaatgaa catacctctt ctttttcctt 420
attcaactaa ataggaagaa gacaaaatta ctcttccttt tt 462

<210> 13526

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13526

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ctaattntca gcttacctct ttggatgtga gatcgtggca gtaaggtgcc aattttccat 120
catggattca gtcacaaaaa aaacttcaag atgttggact gtctaacacg gngattttag 180
attctattcc catacggatg tgagaagcac tntctcaggt tttgtattta aacctctctt 240
acaatcatat ccatgggtgag cttgggacta cattaaagaa tccattatct atccatacta 300
ttgatctaag ctcaaatac ttatgtgga aattatccta tctttcaagt gatgtgtttc 360
ggtagatct ttcaagcaat tcattctctg aatccatgag attagaattt ctgaat 416

<210> 13527

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13527

gtaatcttga nattcaagac aacactctga tttctgaggt ttttgngaca aaaatgggtca 60
ttgaccagtc cattttccat gacttaacta aattaaccag tgacgggtgta ccatttgaag 120

gtacactgaa tgacgactag aaatttgatt tctctgcccc tgatgccac cagttggttt 180
gcaccaacaa tgcggatatg accggacgtc ttcttaccgg gtcattggct tttgaaagcc 240
gcatccttca ctatttaatt atgcgtattc tgcttccacg gtcttccaac cttgccagg 300
tttctgagga agatctaatt atcatgtggg ccttccatac agggcgtaa ctcgactggg 360
cacacttagt cagatatcgc atgcataagg cattgcgatt aaatgctcca ctaccatatt 420
cacagcttgg tactctatnt cttcgtcatt ttgaaattct tcttgattct gaatcttata 480
t 481

<210> 13528
<211> 410
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13528

agcttaggct gagttctact taccaccac agactaacga ttagaccaag cgcactatca 60
aatccttaga ggacctcttg agagcctgtg tcttagagca gcgngtagt tgggatgggt 120
tcttaccctt gatagagttt acatataaca atagttttta ctccagtata ggtatggcac 180
cttacgaggc gttgtatggg agaagatgta ngacacctct atgttgggta gatctagggt 240
agagcattgc cttatgacct gaggtgggtc agcagaacac tgaanaggtc aagttgatcc 300
aatagaggat gagagtagcc caaagtaggt agaagagcta ccatgtagga atagaaaggg 360
accttgaatt gttgagggtga tcatgtattc ctgagagtca ctccatggac 410

<210> 13529
<211> 450
<212> DNA
<213> Glycine max
<400> 13529

agtcttgatg caacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
ggtggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagaccatg ttttctcatg 240
caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga tatgaagagc caatgggttga 360
 tacatggacg gagatgaaaa gatcatgagg aagcgggtatg tgccggctat gtactcaagg 420
 gacttgaaat tcaagctcca aaaactaacc 450

<210> 13530
 <211> 467
 <212> DNA
 <213> Glycine max

<400> 13530

gctgatgaaa ctgatgcttg gtaacttggg acctaactgt ccttgaatca caaatctata 60
 cctgatgcaa ggtttgtggg ttgtgctcct ctgctgacca ccatacagac ctttgcctt 120
 ccatgcagca acctggagcg attgagcagc ctgaagctta tgctgcaaatt atttacaata 180
 gacctcctca acctcagcag caaaatcaac cacagcagat aaattatgac ctctccagca 240
 acagatacaa ccttggatgg aggaatcacc ctaacctcag atgggtccagc cctcagcaac 300
 aacaacagca gcttgcctcct tccttccaaa atgctgctgg cccaagcaga ccatacatc 360
 ctccaccaat ccaacaacag caacaacccc agaacaacc aacaggtgag gccctccac 420
 aaccttcctt cgaagaactt gtgaggcaaa tgactatgca gaacatg 467

<210> 13531
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13531

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 ataaaatcgt ggctaaagtt ctggccaaga ggctggccct tgtgttacct catcttatag 120
 atgaaagaca aacggatttt atgaaggga ggacattct tcatgggtgtt ttgattgcca 180
 atgaggttat agctgaggct aaggctagaa ataaaccttg catggctctc aaagaggatt 240
 ttgaaaaggc gtatgattcg gtttcttgtg gtttcttga ctacatgttg atgaggatgg 300
 gctnttgtga aagatggagg aaatggatta atggtttctt gtccactgca accatatcca 360
 ttttaattaa tggaagtctg tttttggaga tgccactcaa cataatggta gaaccttata 420

atgtatttga g

431

<210> 13532
<211> 424
<212> DNA
<213> Glycine max

<400> 13532

actcaagctg aggaaactag atgccttggg taacctagta acccaactgg ccatgaataa 60
aaaatatgca cttgtcgcta gactctgtgg tttatgctcc tctgccgacc accacacaga 120
cctttgccct tctgtgcaac aatctgaagc aattgaacag cctgaagctt atgctgcaaa 180
catctacaat agacctcctt aacctcaaca gcaaaatcag ccattacaga acaattatga 240
cctctccagc aacaggtaca atccccgggtg gaggaatcat cccaacctta gatggtcgaa 300
tccttcacaa cagcagcaac aacaacaaca accttatttt cagaatgttg ctggcccaag 360
tagaccatac gttcttccac caatccagta gcaacaacaa caacagccct agaaacaaca 420
aaca 424

<210> 13533
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13533

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cctcatctaa tctcaaactc actacttttg gtgactcaaa ttaggcctct tgctcagatt 120
cttgaaaatc agtcattgga ttctcaatat tctttggccc ttctcttatt tcatggagat 180
caaagaagaa atctactata tgctgaccc ccttcgagga agattacaag gctctcgcat 240
caatgatata tgaaacataa tggatacttt acctccttga agatctacat aacctcggcc 300
aatccggtgt ctttatactg ttgagtctat ggatcaatta gaacattcgt agtacgcctt 360
tacatccatc attgtctcac tctttccttt canagttgga catgtatgat atatatagct 420
cagcttgacg gaggggtgtat ctgatgatac atanaatagt actaaaactc aattntaata 480
gatatgtcaa taatcaacaa ta 502

<210> 13534
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 13534

tatagatact caagcttcaa catcagacca cttccagtgt gctggaacta cttcacatgg 60
 acttgatggg gcctatgcaa gttgaaagcc ttggaggaca gaggtatgcc tatgttggtg 120
 tggatgattt ctccagattt acctgagtca actgtatcag agagaaatca gacacctttg 180
 aagtgttcaa ggagttgagt ctaagacttc agagacataa agactgtgtc atctagagaa 240
 tcatgagtga ccatggcata cagtttgaaa acagcaagtc tactgaattc tgcacatctg 300
 aaggcatcac tcatgagttc tctcgagtca ttacaccaca acaatactgg ttagttgaaa 360
 ggaacaacat gactgtgcga gatgctgcta gggtcatgct tcatgccaca gaacttcctt 420
 at 422

<210> 13535
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13535

agcttgagcn attcaaacga cataactttt actctatggt cgattgagtt cagtaatata 60
 tcgagatact agaanaatgaa aacggaaact cgtagaaagt gcataaccgca atcactttta 120
 actcggatgt ccgattgagt ctcgtaatat atcaagacgt tcgtaatgga caacagaagc 180
 tcaatgaaaa ttctaacgat attaactctt tcctcgaagg tacgattgag taccgtcata 240
 tatcgagatg ctacaaattg agaatagaag ctcttagcaa attcaaacga cgataacttt 300
 ttacttggat gtccgattga acacggtaat atatcgagac actcgcaaat gagatctgaa 360
 gctctgagat aattcacaca acaataactg tatacacgga tgtccgattg agt 413

<210> 13536
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13536

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tcccatactt ctagcccatc agaagcataa ggatagtcct cgatcaaaag tcaaactcca 120
tggggagcag atggatcctt aacagcaact cctctgaatt aaaagcacc aaataacatt 180
gattagcata agagttatat caagcctgaa gccttttttc ttcttatgtc attgatgact 240
ttgtatatca tgcattcatg tgccactact ctgtcaaagc catgaactgt caaagccatc 300
atztatgatg aaacagtctt tgtctttcca aaatctgaaa tacgagccac ttgagcatct 360
gctaaacgat atttcgtgcc accaatagta acctcagatg atacagtctg cacatccaac 420
acaatataat ccaccaattg tctactagta agtaatgact tgaaggatgc tctncagtac 480
tgatcaacat ctatgaaac 499

<210> 13537
<211> 392
<212> DNA
<213> Glycine max

<400> 13537

gtttcacgaa tgtcatgtgc tcatgcaaca attgttaacc gtggctatac gagacatctt 60
gccaaacaaa gtcagggttca cgataactcg cccgtgcttt ttcttccatg ctatatgtag 120
caaagtgatt gatccagtaa tgtttgatga gttggaaaat gaggccgcaa ttatactgtg 180
ccagttggag atgtattttc cccctgcttt ctttgacatc atgattcact tgattgtgca 240
tctggtcaga gaaatcaaat gttgtggtcc tatttatcta tgggtggatgt acccggttga 300
gcgatacatg aagatcttaa aagggtatac aaagaatcta tatcgtccgg aagcatctat 360
tgttgagagg tacattgcag aagaagccat tg 392

<210> 13538
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13538

taccctgatg aggatgtccc atatgttctt atnactggac taatccattt gcttccagag 60
tttcatggcc ttgcagggtga agaccacac aaacatctga aagaattcca tattgtttgc 120

tccacatga aacccccaga tgtccaggag gatcacatat ttttgaaggc ctttcctcat 180
tctctatagg gagtgggctaa ggactgggcta tattactcta ctccatgggc catcacgagc 240
tgggatgacc tcaagagagt attccttatat aaaaatttcc ctgcttccag gaccacgacc 300
atcagaaaagg atatttcagg tattagacaa ttcaatggag agagcctata tgaatactgg 360
gagagattta aaaagttatg tgtcatttgc ccacaccacc aaatatcaga gcagcttctt 420
ctgcaaatat tttatgaacg actcagt 447

<210> 13539
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13539

agcttaaacc aagtagntat ctgggttttt taattgnggn ngaagcctga aggcattcat 60
tatccctaac tatcctggat ggttgcaaat actgtcctaa gtactacaga aacaagaaga 120
ctgacagtgt aacgaagtac cacgtctctc aagagaaata acaagcgttg aagactaaac 180
tataaataaa aacattatct cattgtacaa agcatacctt tcttggcctt ttggctaaga 240
tcaagtgtag tatctgttct tatcagttta atatttgata tgtggaccat tggttcacac 300
gatattaaat taattttttg aggggggaggg tccattatag tagctggcta ctggggctct 360
cacgt 365

<210> 13540
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13540

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ttgtgttacc caccctactc atgccacaa tagaaattat tgatagctgc ttatagttgc 120
cagtttcata tgtgagccaa ttaatgatca tttctttgcc atcatctctg acataaataa 180
cactttcaac caccaaagaa gttgatggca tttctgtga cacttgactg cttgatccta 240
ctcttaacat cggtagcttn taatatacag cttttcaaag tgggcaatct ttccccagtc 300

ttcgctttct ggtctctggc aacgctgttt gagcaatgga caacccgaaa ttccaagagt 360
tcaaatggaa ttgggcacac cctcctctgg taagcattgg aggctgcggc agttttcaag 420
cctcaattcc ttgagaga 438

<210> 13541
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13541

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atatagatga tcaacttgaa nagggagatg aaatctcacc agcactcacc aaagccatcg 120
aagattctca tgtatatatt ctaattttct cagagaacga tgcttctca aaatgggtgct 180
tgggtgaact catcaagatt atggaatgca agaatgaaaa aggacaaatg gtaataccag 240
ttttctacaa cgtagattca tcccatgtga ggaagcagac agggagctgt gagcaagcct 300
ttgaaaaaca tgagggagaa cctatgtgca agaaatggaa agctgttctc actgaagcat 360
tcaatttagc tgggtggaac tctcgaactt ataggtaaga taataaaatg gaatgagtga 420
ttaaaatttc tgaaagaaaa aatgagaaag acaat 455

<210> 13542
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13542

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ttaatgttgt gatatgccta cttatacgta actgtacatt ttatttctag taagcaatta 120
tgtatttatc acttaggtag cttgattaga tattggcaaa tatgttatta atttcgtttg 180
aactttgtag tctattcact gtaatcagtg ttatgtatgt tatatttcat gaaataatgt 240
atgtatttta cttctagact ctgttgacat catttatttg gtatgggatt ttataataat 300
attaaataat ggtgtctttt atgttcagat gtctgggtgag nttccatgtg ctacttctga 360
tgctcaatct atgcaaaacta catctatagg tcaatccgaa aaggttcact cactttcata 420

tgctgatcca cagcaaccag gtatt

445

<210> 13543

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13543

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cattctctga tatcggggcca ctgacatggg ctgcggnggg tccaagggtg aggacttccc 120
cgtggtgggt ctgtgcagag agcgaaaggc gttcctcaaa gccgcatcag agcaacgcta 180
cgctctcgcc gctgcacacg tggcgtatct ccattcgctg agtgaaattg gcgacgccct 240
tcacaagttc gccgaacaag acctcaccac caccaccggg tcctcctctc cggttctcac 300
attaccctcg gaaacaaaaa gcatcaacaa taacaaactc tcctcctctt ccccttctat 360
agcatctaata gaaaaaaaaa ctatngaaaa caaatgaat ggcttaattc actagtcagc 420
ctatagttgt tcat 434

<210> 13544

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13544

catgcacaaa gtgccagtga gttcgactta tcgtgtgtca caatggccag agaagtggcc 60
agcaagacta accaacatac cttattgggt gacaaattct caagttggag tttatggaaa 120
acctgcccct gaagatttta ctgctgatta tggacactgg aaacgtatag tgtccaagtc 180
ttatcttaat gggataggaa ttaattgggt caatatgcgg aatgtcatgg atatgagatc 240
agtctatgga gggtgagtga aatttggtgc ttcccatggt actctgaatt atattaaccg 300
gccattntga catacttcac tttgtttttg ggctacaggt ttgctgctgc cttgaaggat 360
atgaatattt gggatcatgaa tgtggtttca gtaaattccg cagacacact ttctcttatt 420
tatgagcgag gtctcttttg catgtatcat 450

<210> 13545

<211> 483
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13545

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agcttgcttg agaagctaga gggagggtta ctctcacccc tccaatagct aagctcactt 60
acatgccaaa atacatgaaa atacaaaaaa attctatact acaaagacta ctcaaaatac 120
cctgaaatac aaggctaaaa ccctatacca gtagagtacc cttaacttgt acccttaatt 180
tgtagggtag cctacaaacc taaaatggcc aaaatacaag gcccaaaaga aggaaaacat 240
attctaatat ttacaaagtg gactcatact tagcctatgg gctcaaaatt taccctaaag 300
ctcatgagaa tcctagggcc ttctcctgca tctctagccc aatcttcttg gagtcttcta 360
tccaatgccc ttgggggggta ggattgcac acataacctc tatggagacn agatntggaa 420
ctttgcatat ctctcttaag cgtctaagtt ggtcgacatc tattatatta gactgattag 480
cat 483
  
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<210> 13546
 <211> 435
 <212> DNA
 <213> Glycine max

 <400> 13546

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actattatac tcagcttaac attatactct gagcgtctcg atatattacg ggactctatc 60
tgacatccga gtaaaaagtt atttggcggt gaattggctc atagggtcaa aattcaattt 120
cgagcgtctc gatatatttc gggactcaat cagacatccg agtaaagagt tattgtcggt 180
tgagttggct cacaggttca acattcaatt gcgagcgtcc cgatatatta cgtcactgaa 240
tcggacatcc gagtaaaaag ttatagtctg ttgaatttgc tctgagcttc aacattcaat 300
ttcgagcgtc tcgatatatt acgggactca atcagacatc cgagaaataa gttattgtcg 360
tttgaatcgt gtcataaggt caacacttca attcgagcgt ctcgatttat gactggactc 420
aatcagacat ccgag 435
  
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<210> 13547
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13547

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atatatcgac acgctcgaaa ttgaatgttg aagctctaag cctattcaaa caacaataac 120
gttttactcg gatgtccgat tcagtgcgt aatatatcgg gacgctcgaa attgaaagtg 180
gaacctctga gccaaactcaa acgacaataa ctttttactt ggatgtctga tagagtgccg 240
taatatatca agacgctcga aattgaaaga ggaacctctt t 281

<210> 13548
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13548

nngacattaa atntccctct aatattaaaa gccataaat aattaaatta gccaaaaatt 60
aaaanaatta aattttttct taatatacat ttgattaaat attaaatttc cttttaataa 120
ttgaaaacac ttaaaatata tttaaagat aaaatgctag tcaattattc taaaataaaa 180
attattaaat taaattaatt ntaatcttat ccaatattat attttttact aaacactttt 240
cattcattca tgaactaatc tactatccaa aattattaaa tagcattatt caatttaatc 300
aattcattaa ttaatcatga tactataagt gagacaattt tttattttaa aataattata 360
attntttagg tatgacatta aataattaat aattaanaaa tgattcaaga ctaanaggat 420
tcattacaat attcanaata gtccatcgaa tcttccatga cannatagtc aatgactaac 480
tcaatatc 488

<210> 13549
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13549

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acttcatact tgacttgatt gttcatcgtc ccaaacttga accttaggga ttgctctacg 120

attatttcat ttgggctttc tatgatgaca ccagtcctac tccctttttc attggatgaa 180
 cccatctgca tacaaattcc accactcgga ttgtagctct gtagttgttg tcaattcgac 240
 gatgaagtct gctaagcatt gagccttcgt tagatccctt ggtttgtact tgatcccaaa 300
 ctgcaacaac tagaccgact aacatatcat tcggtttgca agttctgggt tcatcatgac 360
 tgtaagata tgggtggttg cttaaactat gatttgatga cnttggaagt atggtcttag 420
 tctcctagca actgtgacta 440

<210> 13550
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13550

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 gttgtctgcc tctcatcaat aagaccagat atcacttgtc tcaatctatt tgctaataac 120
 ttagctatca ccttgtacat acatccaatc aaggagatgg gtctgtagtc atcaaagac 180
 tggggatggt taattntggg aatgagagct atgaaggaag cattactgcc tctagggaaa 240
 ctgccatgta catggaattc atcaacaaat cttctgaagt cagctntcag catatccan 300
 aattctntaa tgaatttgaa gttgaaacca tcaggccag gacatttgtc cccatcacia 360
 ctccatactg cttctttgat ctccaaatct g 391

<210> 13551
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13551

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 tgctaataaa aaactgcaaa gatattaatn tctttattat ttcattaaan acaacaatga 120
 agtaaagaac ttgcaatcat tcttagccaa aatngactat caaattaact caaatntcgt 180
 agttatcatt gtgttataca gaaggaaaac acatcaaact caacgttaaa tattcaatn 240
 tatagatata gaattctgtg ttgatcaaat ggtgatcgat cttccctttt gtttaactat 300

atgtataaaa aaataattta tatattaaat tatatgactc cctaactata atctacttnt 360
 gaatgggaaa aaaatatgaa atactatcca ctaactcact accctttcat caa 413

<210> 13552
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13552

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 caatntatac aagttttata cacaaaagtt agtcattttc accgactaac acctggctag 120
 cccagaaaac tcctaattctt aataacagaa ttaggactct cccactcaag aatggcttct 180
 atcttagagg gatctacaac tatacccnct tgagatatca catgtcctag ganactaact 240
 ntctctaacc aaanatcaca ctttggacac ctataaataa agttgtcgtg tcctaaaggt 300
 atgcagcata atcctcaagt gttcttcatg gtcctctcta gtctgggagt atactaaaat 360
 atcatctatg aatactacca cacaacta 388

<210> 13553
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13553

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 tcnggcatga cagggtttta cggattaact aagatcttag ttaagatctt ataagctatg 120
 ctacacaagg agatatgtct gaattgacta acacacttat gctttgcaca cttaggaatt 180
 agacagatgt cagtcattatt taccgtacta acctca 216

<210> 13554
 <211> 198
 <212> DNA
 <213> Glycine max
 <400> 13554

gaacaatgga agctctcgag aaattcatat tgtcataact tctcactcag aggacccatt 60

catgcggata atatatatag acgcttcaaa ttgaacaacg gaagctctcg agataactcag 120
atggtcatta cttttcatct ggaggtccta ttcaagcgca tcatatatag agacgcttcg 180
aatagtcaac ggaagctc 198

<210> 13555
<211> 353
<212> DNA
<213> Glycine max

<400> 13555

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ctctcatgta gtcaatgacg acaaagaaag ttgcatacta tggaatgaat ctggtgctat 120
gaagagcagt accattacag attgctctca ttccatgttc tgtatcacca aatgtaacat 180
tgcgctcttc aatagtattc ttttgggtgat ctccatatga tttcaacaag gtcatgaggg 240
aagaggcaag atctacaccg ccaactgagta gaccaagaag aaccttaaga cgcgcatcca 300
gattttgttg agacagatct cttgtaacat tagcagggtt ttctggagtg tat 353

<210> 13556
<211> 408
<212> DNA
<213> Glycine max

<400> 13556

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acataaataa ctttagctct acacgggtgca taaatcctta tggcaactct catgtagtca 120
atgacgacaa agaatgttgc atactatgga atgaatctgg tgctatgaag agcaatacca 180
ttacagattg ctctcattcc atgttctcta acaccaaate taacattgcg ctcttcaata 240
gtattctttt ggggatctcc atatgatttc aacaagggtca tgagggaaga ggcaagatct 300
acaccgccac tgagtagacc aagaagaacc ttaagagggtg catttagatt ctgttgagac 360
agatttcttg taacattagc aggggttttct ggagtgtatg tcggaagt 408

<210> 13557
<211> 314
<212> DNA
<213> Glycine max

<400> 13557

cgacaatatc gttttactca gaagctctgat tgagacccgt tatatatcga gacgatcgaa 60
attgaattct gaagctctga gctaattcaa acgacaataa ctttttttct cggatgtctg 120
attaagtacc gtaatacatc tagacgctcg aaattgaatg atgaagctct cagcaaattc 180
aaacgacaat aactgtttta ctcatatgtc tgattgaatc ccgtaatata tcgagacgat 240
cgaaactgaa ttctgaagct ctgagctaatt tcacacgaca ataccgttat gctcggatgt 300
ctgattgagt tccg 314

<210> 13558

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13558

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gaaanaagtt attatcgttt gaaaatcctc agagcttcgg tattcaattt cgagcgtctc 120
gatatattac gggactcaat cagacatccg tgtaaaaagt tattgtcggt tgaattagct 180
ctgaggttca gaattcaatt tcgagcgtct caatagatta cgggactcaa tcagacatcc 240
gagcaaaaag ttatttgccg ttgaattagc tcagagcttc agaattcaat ttcgatcgtc 300
tcaatatatt acaggactca atcagacatc tgagtaaaaa cg 342

<210> 13559

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13559

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gaagcttgtg tttttctcaa atataggaca tgcgatgatgc cttttccac tgtatccact 120
taaatttcca tatgctagaa aatcattaat agtacaaaac accattgtgc gtaacctgaa 180
tgtctactgc acatttgcac cccacacatc tacctcttct tcccacaatt gtttcaagtc 240
ttcgattaat ggcgtaagat acacatcaat atcattccct ggctgccttg gacccgcgat 300

catcatcac aggataatgt atntacgcan aatgcacaac catggnggaa ggttgtaa 360
catcagtaaa acaggccagg aactgtgggt gctgttaagc taccataagg attcattcca 420
tcagaagcaa g 431

<210> 13560
<211> 482
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13560

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tgatcatagta gatgattatt ctaggtttac atggactcta tttcttgctc acaaaagaga 120
tgcatttcat gcttttaaga aacttgccaa aatcattcaa aataagaaaa accttaacat 180
tgcatccatt agaagtgatc atggagggga atttgagaat aaaaactttg aattatttag 240
tgatgaaaat gggatagaac ataatttttc tgcacctaga acccctcaac aaaatagagt 300
agttgagagg aaaaatagat cattagaaga attagccaga atcatgctta atgatacaaa 360
tattcttaaa tatttttgga ccgaggctat taatattgca tggtatataa tgaatagagc 420
attaattaga acctatttaa agaanacacc atatgaacta taagagggga gaaaaccaa 480
ta 482

<210> 13561
<211> 505
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13561

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caaaatgtca ggtctgngtg cagtaagata tattaagcaa ccaatcaagc ttctgtaatg 120
catttcgtca actttatcag ctccatcatc cttgctaaat ttctcctttt agttcattgg 180
agatgtagtg cttttgcagt cctccatn gaaacttctt gagtatttcc cttacgtact 240
tcttttggtg aatgaggatt ccatcatgat cttngttcac ctccattccc aanaagaaac 300
tcatcaagcc aagaattgtc atttcaaagt ctntaaacat ttcagcttta aactccttta 360

tgagtttctc atcacttcct ggcacaagta aatcatcaac atagatagca ataatgatnt 420
aaattgcac taccaatttc acatatatgg cagcctcact tggactttng acaaatccaa 480
gatcttgaag atgatcatct atcct 505

<210> 13562
<211> 508
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13562

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atctgttaca agatattggt aatcgattac cagtgtgttt gaacgttgaa atcanattca 120
attgtgaaga gtcacatcct ttcacaaaat gctntgtgta attgttacia gaatttgata 180
atcaattacc agtgacanag ttggacaaa aatcanaaga tgtaactctt ccaatgggtt 240
ntcagttttt ttaaagggtta taactcttct aatgggttatc ttgaccagac ttgaagagtc 300
tataaaagca agaccttgac ttgcattnta atattcatta caatctttga caacctttac 360
aaaanannat ttcacatacc tttttacaac cttnaatct ctntgaactt cttcttcttc 420
ttcctttgcc aaaagctntc taaaaagttt ttggttntca aacctagana acaaaaagtg 480
tgtattcatc tttntcattc tcttctcc 508

<210> 13563
<211> 342
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13563

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nttgaatntg ctcagagctt ctattttcaa ttacgagcgt ctcgacatat tatgggactc 120
aatcggacat ccgtgtaaaa agtaatcatc gtttgatttt tctaataagct tctgttctta 180
attccgagcg tctcgatata ttacgggaca caatcggaca tncgattcaa aagttattgt 240
cgtttgaatt tgctcagagc ttctgtntc aattacgagc gtctcgatat attatgggac 300
tctatcggac acccgangaa naagtatcgt catttgattt tc 342

<210> 13564
 <211> 471
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13564

agctggggat gcatttgtga gttgtttgta catatttatt ataggctntg tgttccattt 60
 cagtatgttt gtacatatat tacccttatt gtcttacgaa gtagactctt acgagtctac 120
 gagtcgactc tacgaagctg ttacgagtct gcgtaaactc tcgatattga taaccttgca 180
 atatatatgt gttntaaaaa tagttgagat tataatacac ataatacata tgcttggtat 240
 tcacatgaga ttctaattgt aatatacatg ttacaagagt gcatcagatg tatgacttaa 300
 attataactc atgttaataa tatcatatta tgcagtgttag tttggaaagg tatcttcaat 360
 gacaactcta gttactatat aaatatattac ttacaatatt gtgcttatat aattgagtcc 420
 attagatttg ctntctacat tgtcttatat attcgaagtg gttactctta t 471

<210> 13565
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13565

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 ccactactgg aaaacccgaa tgcaaatttt tattgaggca atagacttaa gtatttggga 120
 agccatagaa atagggcctt atataccac cacaatagaa agaattacaa tagatgcaag 180
 cacatcaagt gaaagcataa caatagaaaa acctagagat agatggtctg aagaggatag 240
 aagacgagta caatacaatt tataagccaa aacataata acatctgccc tgngaagtga 300
 tgaatattac agggtttcaa attgtaagag tgctaaggaa atgtgggaca ctctacaatt 360
 aacacatgaa ggaactacaa atgttaaaag atctatngat aacacactaa ctcatgagta 420
 tgaactggtt angatgaatg caaatg 446

<210> 13566
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13566

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ctgaggcaag aatngcattc attgattcaa gtactagtag gagtgtaagc tatggtgaag 120
ctaaaagggtc tatntactcc cttgcatcag ctntgttcca tggacttgag attaggaaag 180
gtgaatgttg tattgtattg tcaccaaact caaccttgta ctcagccata tgcctagctg 240
ttttatcagt tggagcagtt cttaccactg ccaaccccat caacactgca acagaaaatg 300
cgaagcangt gcatgattcg ggtgctaaac tagccatctc agcacctgag gagctacaca 360
aatnggtccc aactgggggt cctataattc tcacttctcg tccttctgat ggcaacatgt 420
ta 422

<210> 13567

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13567

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caagaccctt agttntatta aatcttgata tattnggtct aaccaaaacc ctcttattta 120
gtgggttcagg ggtaaaagggt atgggtctagt tgtgggtggac gactactcta gatgaacatg 180
gattatTTTT cttaccacaca aaaatgagta ttntagagtc gtctttataa ttacaaaag 240
aattcaaagt gaaaaaggag tatacattac ttcaattaga agtgatcatg gtggacaatt 300
tgaaaatgaa aattttcttc tattatgtga agaanatggc attctttgca atttctcaac 360
acctagcaca cccaacaga atgaggtagt tgagagaaag aatagatcat tgtacgaaat 420
ggaaggacca tgcttagtga taatttacac ctaaaca 457

<210> 13568

<211> 325

<212> DNA

<213> Glycine max

<400> 13568

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aatagaacaa cggaagcact cgagatatc aaatgggcat aacttttcac acggaagtcc 120
gattgatgcg cataatatat cgagaagctc gaaattgaac aacggaagct ctcgagaaac 180
tcgaatggcc atcacttatc acacggaagt ccgactcagg cgcgataaat atctagacag 240
tcgaaattga acacggacgc tctcgagaga ttcaatgggc gtacttatca cacggatgtc 300
aacttaagcg caaatatatc gagac 325

<210> 13569
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13569

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ttactttggc ctaacaggaa ctccaatatt attacagctt ctaatgttat gattggtttg 120
gccacacctt ccacatgtaa actcagccaa tttctcttt agcttatgtc ctgtgacatt 180
gtcctcatct acagatctcc ttctattttt ctttggcctt tctctctgga cccttctatg 240
tggtggaaca ggggtgtgtat actgtgtctg ggcccaatat tgtggtcctt ggactgggtc 300
aataaaatgt tggtatgtct tattataaac ttctattgac agncactcat gacacatgtn 360
ctcaggcttc ccttctttgt gagttatagt tgcaatggca tgtcggcatg gcatccctac 420
atcatagttg tataatcagc acacatg 447

<210> 13570
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13570

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tctttntcct tgatcaagta taaccacatc attctgttgt gctcatctac aaatgatgtg 120
aagtacttgt tcccacctag tgatgggtacc tcaaaaggac cacacacatc tgaattgcac 180
aacaccaagt accactagaa agcttctcat tggggcaaata gggaaactta aaggaaacttt 240

cttggttgct tgccaatgag acacacatca cacaccttct ntgctacatt taattgtggc 300
agacctataa ccatattatt aattactaac atattcacia ctttgatatt ttagtgacca 360
aacctgagat gccaaagcca gctcaatngg ntaatctcta tagtcattaa acacttgtag 420
tttgatgcct taatgntggc ttgaaagggt atatttcttg agagtggaga tc 472

<210> 13571
<211> 484
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13571

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gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcctt tgctntgctc 120
anagaanagc ttactaaggc acctgttcta gctcttcctg actnttctaa aacttttgag 180
ctagactgtg atgcctctgg agtgggagtt ggagctgttt tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcaggt gccaccctta actacccac ctatgataaa 300
gagctttatg ccttaataag agcactccga acttggaac attacctng ttccaaggga 360
attgccattc atagtgatca tcaatcactt aagttcatta gagggcaaag cangttatac 420
aaaaggcatg canaatgggt agagtaccta gagcaatttc ccatatgtat canatacaaa 480
aagg 484

<210> 13572
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13572

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taaaatttcg tataagtaat gtacaaatcc aaaaataatt gataaacaaa atcatattga 120
attcaagtcg ttaaagcaca aagtatatca aaagaaaata aaaagagcat gatattaaaa 180
aatgtatgga ttaggtcctc agccccaag cttacaaatc tantttaagt ccaagcccat 240
aaacaaaata aaataaaatc tggacaagat aagataagat tggatgaaat aaaatctgga 300

cgaaataaaa tttagatgga ataaaatctg gataatataa aatctagatg gaataaaaatc 360
 tggataagat atgattcgat aaaatgaagc tgtattatta tattattatt atattattat 420
 ta 422

<210> 13573
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13573

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 tatectaact acatgcaaga ggtaataatg aaaatagaac agggaaagaa aagctatgtt 120
 gcctcccagt aagcgctctt ttaacgtgac tagcttgacg catcgctctg ttatccagga 180
 acctagagag ttctacttc aaggaccttc ttctcaggtc tcttttcttc catcacatgc 240
 actntaaaat aaacattttg gctaggtgga tccttgttct cctgaaacaa atcaaagctg 300
 atcttctgat cttctatgcc catccgcagt atcttttttc ccatgtccac cacacagctt 360
 gcagtagaca tgaatgggcg gccagaatg agaggaatgt cagcatcctc ttctatgtct 420
 atgacaacga aatcagctgg gaatataagg gtgttaacct tcaccagatc attcttagtc 480
 gatgaatac 489

<210> 13574
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13574

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 acatataaac taccatcttt ccctgacact atagncttta attgagtctt ntgcaaagga 120
 tcagactttt ggccctctct gatctctctt aacaacttac cagtaatcct caaagatcca 180
 agtctcatac tattaagagt gacctcacac gcaaggccaa gggctctaaa ttgttctagg 240
 agatctaact cccaatccat caaggcagat atatgtatgg atttccaact caaggcatta 300
 gccactacat tagctntgtc aggatgataa ctaagctcaa aatcataatt cttagaagaa 360

tntaaccata tcctctaacg catgttcacg tctttctagc taaacatgta cttaaggctc 420
 ttatgatcgc taaaca 436

<210> 13575
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13575

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 atgtagatca accccctgta ttgaaaact cagagaagcc taatcatggt tttagattaa 120
 aaaaggcttt atatggctta tagcaagccc ctagggcttg gtatgagcgt ctgagtaagt 180
 tcctttttaga aaaggatttc tctagaggca aagtagatac tactctnttc ataaagagaa 240
 aattacatga tattntattg gttcaaaatt atgttgatga tattatTTTT ggatctacta 300
 atgaattatt gtgcaaggaa ttctctcatg acatgcaaag tcagtttgaa atgtcaatga 360
 tggggagaact taatttcggt cttggattac anattaaaca aaccaagact ag 412

<210> 13576
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13576

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 attggggaaa atcttctgag ccacaataat tctgtcacca ctttaatgac caggaacaaa 120
 gctagattaa aaatgatgtt tcaacttact tatatagggc ctaatcctca nagagagtaa 180
 cccgataatc acattatatg tcacattaca taaactaata ggcttaaaat ctttcataag 240
 actaacctca tctttcttag gaatgagagt gataaaggct tggttccttc tgaaattgca 300
 tgaagatttt taaaanaatt tcggacaaaa ttgtagaggc catcaccaac cacaactcaa 360
 tacttgtaga agaaaactgc tgaaaatggc ttcaatgtag gtaccttgct gaanatgtat 420
 cagtcattan aagagcaatc tanttatccc attantgtgt atgtngaaat ccgagttatg 480
 cacttgatta c 491

<210> 13577
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13577

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 aataaagatg attagagatg ccacttcaag gagaagatga gtcaagaaga agttcaccac 120
 catagggagc catggataag agcttgaggg taggagaaga agaataagagg gagaaagaga 180
 tagggagcat gaaatttgtg cctcanaaga ggtctgaact ntgaagtgtg attcttcaat 240
 gaataaagtt gaaaaaatgc acacacatga cctctattta tagcctaagt gccacacaaa 300
 attggaggaa aatttgaatt tctattcaaa tttcacttga agtttgaaat gaatntgtgg 360
 agccaaaatt tcaactagtta tgattagtga atttcagtta tggctcagcc cactaatcca 420
 agatcaagtc caagattctc cactaagtgt ggtaggtgt catgaggcat gttaagcat 479

<210> 13578
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13578

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 ataagacaaa atctagatga aataatatct agatgaaata aaatctagat aagataatat 120
 ctagatcata taatatctag atgagataaa atctagatat gataagataa aatcttgatt 180
 aaataatatc tagatgagat aaaatctagt aagataagat ttggtagaat aaaattgtct 240
 gttctcttca agtccaagcc caattttgga ttcaaaccce attacttata attctcctga 300
 aattaaatta aaaacacaaa attaattccag taggcccaag tgataaaact gcataattaa 360
 tttgaccatt aaggctaata agtaattaaa atggtgacaa aaaggggtaa gaaatatgag 420
 anaatgatga cacatcattc atgtttcata cttcatatgg catggaaata gtataaactn 480
 tntcagtaag tactc 495

<210> 13579

<211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13579

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 actaatccat ataaacattc tcatctaaat atccattaag aaagagagtt ttcacatcca 120
 tctgatgtag ctccaagtca taataggcta ctaatgtcat gataatcctg aaagaatcct 180
 ttcgtgaaac cagggaaaat gtctctntat aatcaatgtt atctttctaa gttaaactct 240
 taacaacaag tctagccttg taacgttcga agttggcatg agagtcacat ttagtcttga 300
 agaccactt acaaccaact ctcttacaac ccttttagcaa ttctataagg tcccaaacac 360
 cattatgttc catggaatnn tattttccct tcatggcatn taaccagttc tcanaattat 420
 cacaacttac agcttgtgaa aacgaaactg gatcattatc attaatgctt aag 473

<210> 13580
 <211> 315
 <212> DNA
 <213> Glycine max
 <400> 13580

gacccttagg ggctatgctg atggcttctt accgtcccaa gcttcaattg gagacttgtc 60
 ttacagact tagtaggaca tctggtgagt atgtaaactg cagtgtagac tgcttcagcc 120
 cagaatgtgt tagagagtcc ctcttccttg agcatcgatc tagccatctc cataactgtg 180
 cgattctttc tctcggacac tcgcatttgt tgagtagaat atgcgactat aagttgtcgc 240
 tcaatgcctt catcttcaca aaatctttca tactcgcgag aggtgtactc tgtgccgcga 300
 tcacttctta gtact 315

<210> 13581
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13581

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acttgacctc ttacaaaaga ttgcccaata aagaaattgc tcaatctttc ataccaaggt 120
ctaggtgcta gctttaaacc atacaatgcc tttctcaact tgtaaacacg attatggtgt 180
tcactgtcta caaaacctag aggctggacc acatatatgt gttcttcaac gtatccattg 240
agaaaaacac tttgtacata catccgatac aacctgatat tcatactaca tgcttaagca 300
cacaacaacc taat 314

<210> 13582
<211> 468
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13582

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ttcacctgac gaagacactg acaaaaactt atcttctnct tcttggacaa agtatggcag 120
gctgggggca agtaaattnt cttcccatca gaccttggat gcaactgtga tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240
agcatcccaa tcacactgtc acanaacatt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaagaana tggacctctt cttccatattg 360
caactctgac ttttatcctt cttttgnngt cttccaaata cagtgttcag gtgttgaacc 420
cgctgatata cctgctcacc agtcaatggg atcggcgcaa tatcatgc 468

<210> 13583
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13583

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attgccc aaa cagctttatc ctctcaaaaa gattccttgg tcaaccactt gcatactcaa 180
taaagaattt tgattgatct tcattatata atctatctct ttttaagagag atttcttctt 240
ctcttcttct tatttctgac aagggtattaa gagaccgtgg gtctcttggg atagaggact 300

cctgaataca aggggaagggt tgtccctgtg tggttcagac tntgtaaaaa gagtccttaca 360
aagagaatgg aatatctcaa gtgggttggt gatgactgga cgtangcacc agaagtggcc 420
gaccagtata aatcaagttt cattcctctc ttccct 456

<210> 13584

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13584

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gatgaaaaag gtatgcctat gtttgtgtgg atgatttctc cagaattacc tgggtcaact 120
ttatcagaga aaaatcagac acctttgaag tattcaagga gttgagccta agacttcaaa 180
gagaataaga ctgtgtcatc aagagaatca cgagtgacca tggcagagag tttgaaaaca 240
gcaggtttac tgaattctgc acatctgaag gcatcactca tgagttctct gcagccatta 300
caccacaaca taatggcata gttgaaagga aaaaca 336

<210> 13585

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13585

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tgaatatttg ggaagccata caaatagggc cctgcattcc aactatgggtg gcaagaaata 180
caaccataga aaaacctatg gaagaatgga gtaaggagga aaaaagatta tttcaatata 240
atttacaagc caaaaatata attacatctg ctctaggaat ggatgagtac tctagggtat 300
caaattgtaa aagtgcaaaa gatatgtggg ataccctaca agtaacacat gaaggtacaa 360
cagatgtaaa aagatctatg ataaatacat tgactcatga atatgaatta tttagaatga 420
atccaaatga cagcatacag gacatgcnat agagggttcac acatataatt aatcat 476

<210> 13586

<211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13586

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 caatcaatct ttcaatatct ttctacagaa ttttctgatt catttctctt catctttcta 180
 aaaagttttt gatcaacact ttctcttcca agaaaagttc tttgttcaaa aacttgtgct 240
 attcatcttt ntcattctct tctccttttt ccaaaagaac aaaggactaa cgcctaaat 300
 ntctttgtgt ctctcttctc cctttgcaa aagaacgaag gactaaccac ctgaattctt 360
 ttgtctctct tctcccttac aaaagaatca naggactaac cacctgagaa ttcttttgat 420
 cttcccttcc cttagaaa 439

<210> 13587
 <211> 370
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13587

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 cattttactc atgtaagttt atatggatga catcattttt gggttctacta atcgatctct 180
 ttgtgaagat tttgtacaca agatgcagga ggagtttgaa atgccaataa tggggggggg 240
 gattaaatta ctttcttggt ctctatgtga agaanattga ccatggaaca tttctctatc 300
 anacaaagta ttgcacagaa cttctcaaga agtttaagat ggacaaaagc aaggaggatg 360
 aaactcctat 370

<210> 13588
 <211> 456
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13588

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 aaatcttgtc caagacacaa acgaattatt tagaaatggt tctcacagca tggggaacaa 120
 aaccctcaa atcattttac ataatcatat caaaatcaaa ggaatcaaaa tcatagggtc 180
 aaaaacaaga aaacaccaag agtacttaat tttatcaatg tagtcggtgc tgtacaagac 240
 ctgatattgc ttatgtagtc ggtgttgtga gttaattctt gtgtaattct aagaaggaac 300
 attgngctgc tataaaatag atactcaa atcttcgtag cacaactagc agtgtttgtg 360
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 nattctagaa atcaacatan gatattact acttta 456

<210> 13589
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13589

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 gtcagtctgt caacaataac ctatagataga tttaaacccta tgagggtcct agatagtcct 240
 acaacaaatt catggaaata ctgtccatct tccactgtgg tatctctaag gattgtaact 300
 tacctgaagt tctttgatgt tctatcttag ccttctgata gactagacat gcatacacia 360
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<210> 13590
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13590

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tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtattttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcaa cagctgaatt 240
 ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaaag 300
 gcgagaggta gatacatgga ctgagatgaa aagggatgatg agaaaaaggt atgtgcccac 360
 tagctataac agaaccatgc gacagaaact ccaagggctg tcccaaggga atttaaccgt 420
 ggaagaatat tataaagaga tggaaat 447

<210> 13591
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13591

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 ctcttttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180
 atgatgatga catgaccaag agcaagggaaggatccact tgaaggactt ggatgaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300
 ttgaatacaa gcccaagttt caaggagaaa agtccaagggt tgtcagttgt atcatggccc 360
 aaatggagga ggactaaatg acaccacttt gtttc 395

<210> 13592
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13592

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 aaaggttgga cagtgggtga agtggcacgg aagtgtctga atgcgaagaa aagaagttgc 120
 atgcaagatg attgctcttt tgtggggaat tacaaggagc ttatgaagca tgttaggtct 180
 aagcatccat ttgcacgacc acgagaagtg gaccactat aagaagaaaa atggaagaga 240
 tttgagtgtg agagagaacg gaatgatgtg attagcacia ntttatcttc aaca 294

<210> 13593
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13593

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 gatgtccgat tcggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatncg aatgggtcata acattttcact cggatgttcg atccggggac ataatttatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taacttttca 240
 cgcgaaatggt cgattcgggg acataactca tctagacgct cgtaaataaa caacggaagc 300
 tctcgagaaa ttcgaatggt cataagtttt cacacggatg tccgattcgg gaacataata 360
 tatcaagaca ctcgatattg aacaacggaa gctctcgaga aaatcgaatg gtcataacgt 420
 ttcac 425

<210> 13594
 <211> 510
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13594

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 ctttatactg acatgggtata tataacaacct ctattccttt tcaaataattt ctttntcctt 180
 tttcaatata cactcggtgt ttatataaaa acttccttta tatacactta ttgctcatat 240
 acaagaattt cttttcacac attggtttata tacaaaaatt tcttttcttt tctttatata 300
 cagatatgac atttggtcac aacgcctctt tcttnttta ttcttggcgt tatcatgatg 360
 tttgttcatt ntatttttagg acgacgttcc taaatgaaaa ctctacacgg ttccggaatt 420
 ccaacaaaca ctatcgacaa taacgaagta agcactaacg caacaacca nacanaatgt 480
 atgcataaaa canatgacaa tcaaaacaac 510

<210> 13595
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13595

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 tttgatagaa ataatttggc cttttctttt atgaatgata ttacatttat catcatcaaa 180
 gatgactcta taatatttat gaataagttg accaacactt agaagatttt gagtaagacc 240
 tggcacataa natacatcat ggatatattt cttgctacca ttttgagttt aacagcaatg 300
 gtggcctttt cttcaacttt ntgaacattt ccatcaccaa gtgtaacttt gaaatttatt 360
 gct 363

<210> 13596
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13596

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 gattctcaca acaatgtgct caaatgtggg atctaacgag cgtagtatct tctccataat 120
 tgttacttct tctaacttct cacaattttt ttagttgatt tgaaactgca agaattcttg 180
 aaaaataatc ggaaatggac tccgactctt tcatatgtaa ggattcgaac tcagctctta 240
 gagtttgag acacactntc tttactttgt ctctcctttt ttcaaccatt tcttgaacat 300
 catgtgctcc aagaagtgct ttctttttta cgggccaatg gtcataagggtg ctccccttta 360
 gaagtggaac ttggaaggat gtcactccat tggcttgcca tactcta 407

<210> 13597
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13597

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ccctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata cacctttgtt 120
tggttctcta tttgggttctt aaccctctca tgcattcttct ttacaaattc taacctagat 180
tcccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtgtt 240
aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct atgaaccccc 300
ctattgaggc aaattctaca tgaggaagat actcatccca agacttat 348

<210> 13598
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13598

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tggttgagcc gtccatggat tgactatgct ggtgtctaac tctgggcctt tcattaatcc 120
caataacaac attctcggtg gaagaggtgg gtgccccctga cgccggtgtt gaagccgatg 180
ctcccacagc attagacggc tcaaccattt gaaacgtgga cggtgcccgc gatgaattga 240
acttatccat atcaaggtac atggacagca agtcctcctc ggcatcatcg gagaaggaag 300
gaccatcacc acctccaaca acaccaaggt cactgtcgaa actaatatca tccggtaaag 360
tgagaatctn cgaatgagca cgcctatgac ctctatttc 399

<210> 13599
<211> 473
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13599

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tggttactag tatttaagcc ttctaaggag ccttaaatat gtttgagctg ctttatgata 120
aataactgac ttttaatttta aataactaata aattntttct tgcattgaat tttttatata 180
tgaaactttt gttttgagtc tcaatcattt agtaagtgat aatgtgacac tntgcaatta 240
gattttctca atttactagt atttttgcaa gtatagtgat gaggctaaat gtttatttta 300

tacaactaaa atatataata aataaacatc tctaaatata taaattatat tataattaa 360
 atttgtaatn tataaatggt gatatactta tnaaatatat tntagattta agataattaa 420
 ttatacctct gatataattat tattttaata ttgatgaatt tttaaaaaat atg 473

<210> 13600
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13600

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 tacctctgat tttacctctg ttatgggatt ttttttttct tgaaaagtta cttctgtttt 180
 gatcttcatt ccattatttc taaaaacttc ccagtatatg ttccaccaat atttatctaa 240
 agtggtatgt tctttttcta cataatcttt cattttttta actccattac tattttgata 300
 ttgatcctag attgtgggta aattgtctta ttatttatca taaattcctt tcattttgtc 360
 tttgtttgtt ttcgaatatt aattatttaa tttgtattaa taatatttca aatagcagtc 420
 aacctgttcc tgatatcttt ntgtagtgtt ctttgagttg gctgctatgt 470

<210> 13601
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13601

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 agttttacaac ttgtaatagt aatcatataa ttagctataa aaacaattca ataattaa 120
 caatctaatt gtaccaatgt tgatgggtta tgacgataat gaacaaaatg agcccattga 180
 tctttatcta tgcctatcgg cacatttttt atgatttcat ctctagtttt ggttggatcg 240
 ttgaattcat tccataagct ntgcctattt gtagccatt ttcttcccat actcaatatg 300
 caataccatt ttgcaccagc ttcattaatc ttaaaataaa atcgaggcta ataaaaagat 360
 aatattatca catatcagta tgcaaataat atatatatga aaaatagtta agataggggc 420

tctaagtggg gtagatataa aatagtatat ataactaatc ggcatacctt ta 472

<210> 13602
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13602

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 cttttcattc ctctctcccg aaacttgtca tggaattgcc accaaaaatc attgaaaacc 120
 aacctttgat cattctctc gcaattctta atactcgttg ggactacttt tcaggggaac 180
 ccaaattact ggtttttagtt cagtgggaagg gtctctctcc agacgatact acttaggaag 240
 cctgngatca cttgaaggag acatagcacc ttgaggacaa ggtgttcttt gaagttggag 300
 gggatgatag gggtgcgcac catcagcctc atgctaccag cactatccac caccggttcg 360
 acatgaccac taattccaag cccaaacgaa ggatcatcgc tcccaaacat ctaacggatt 420
 acatttaaca gaatcctgta gatgttgctg agctggaaac acgttagt 468

<210> 13603
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13603

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 gatatgtctc aagcattcca accacaaaat caatgccagg tcttgcacac acttgtgcat 120
 aggcttccta caatagaagc atatggaatg tttctcattt gttccatttc aagctcattt 180
 ttaggacatt gattcaaatt gaatccatca cttttcacia taggtaccat gttgggtgaa 240
 caatctttca tccgaaatat ttctagaact ttattaatat aggccttttg agacaagctg 300
 agaatccctt gagaatgatt tctatggatc tctatgccaa tgaaatatgt tgcacacccc 360
 acatgcttca tgtcanaatt cttagaaagg aattatttac atcatgtaac atcccaaat 420
 c 421

<210> 13604

<211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13604

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 gccaaacaaa gtcagggttca cgataactcg tctgtgcttt ttcttccatg ctatatgtag 120
 caaagtgatt gatccagtaa tgtttgatga gttggaaaat gaggccgcaa ttatactgtg 180
 ccagttggag atgtattttc cccctgcttt ctttgacatc atgattcact tgattgtgca 240
 tctggtcaga gaaatcaaat gctgtgggtcc tgtttatcta cgatggatgt naccgggtga 300
 gcgatacatg aagatcttaa naggggtatac aaagaatcta tatcgttcgg aagcatcta 359

<210> 13605
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13605

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 ggctngctaa gggtagagag aggaagacta gagatttgga tcaagtaaag tgtgttaagg 120
 atgaagaagg caaagtctta gtgcatgaaa aagatatcaa ggaaggtgg aaggcgtatt 180
 tccacaactt atttaatgat ggatatggat atgactctag cagtctagac acaagagaag 240
 aggaccggaa ctataagtac tatcgtcgga ttcaaaaaca ggaagtaaag aaagcgttga 300
 aaagaatgag taatggtaag gcggtggggc cagacaacat acatattgaa gtgtggaaaa 360
 ctcttgga tagaggtctt gagggtgctca ccgaactctt taacgaaatt atgaggtcaa 420
 aacgcatgcc ggaggaatgg aggagaagca cgtagtgcc aatctataag aacaaggggg 480
 atatacaaaa ttg 493

<210> 13606
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13606

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tcttctatctt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac cttctctggag 180
aatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgttgc ccttcattag gacttcactc ttctcanttg tcaccaagca ttctgacttt 300
gtgaagatta cattgaatcc ttcacacac agctgactga tgctgatcaa gttngcagtc 360
agtcccttca ccagcagtac tttgtccaga ctaggaagtc catcatggac tatctttccc 420
attccagtga tctttccttt agagccatct tcaaagtca catagctagt ggagca 476

<210> 13607
<211> 458
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13607

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aatgcagtt gatgattgtg tataagttta gtaggagtaa atactcattc ttggtgttat 120
atgtcgatga tatactactt ctaccaatga tataagcttc ttacaagaga ctaagaaatt 180
tctaacgaaa aattttgagg tgaaagatct tggggaagtc tcttttgtat taggaatcaa 240
gatactaaga gatcgctctc aaggtatcct aagggttgta caagagagtt ataccgataa 300
ggtcctagat agattcggca taaaatataa taaaccagga gatacccgat agctaaagga 360
gacaaatnta gtctcaaaca atgccttaat aatggccttg aaagaacaga gatgcaaaag 420
aatccttatg catcagcagt aggaagtcta acatacac 458

<210> 13608
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13608

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aaccacacta aatgcaaaca caacaaaaat taaaaatgat tgnngttgcct cccagcaagt 120

gcttggttaa catcattagc ttgacacatc gttctattat cctggatcaa tcttggttct 180
ctcctttaga accttctcat ccaacacctt gacctgcaa cacacatcct ggtccattaa 240
ttctcttctt tcattaaata gatcaaaact aatttggtga ttntcaagac tcatttccaa 300
atTTTTcttc cccatgtcca ccacacagct agtagtggac ataaatggac gtcctaaaat 360
gacaggaata tntgcatctt cctcaatgtc cattacaaca aaatcggtag gaaaaataag 420
atgcttgac 429

<210> 13609
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13609

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actaagctca cctccttgac aaaatacatg aaaatacaaa aaaaagtccc tactacaaag 120
actactcaaa atgccctgaa atacaaggct aaaaccctat actactagaa tggccaaaat 180
acaaggccca aaagaaggaa aaacctattc taatatttac aaagaagagt ggatccaacc 240
ttgacccatg ggctcaaaaa tctaccctaa ggctcatgag aaccctaggg ctttccttg 300
gatctctggc ccaatctact aggagtcttc tatccaatgc ccttgcgggg taagattgca 360
tcaagaacac acattacttg tcgatgcccc accaacgaaa acatgattat gaggtgccga 420
aacatttata 430

<210> 13610
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13610

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attacgggtc tcaatcagac atctgagtaa aaaagttatt atcgtttgaa tttgctgaga 180
gcttcaacat tcaatttcga gcgtctcgat gtattacggg acttaatcag acatccgagt 240

aaaaagttat cgtcgtttga atntggtcag agcttcaaca ttcagtttag agcgtctcga 300
 tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgttgg aaaatcctca 360
 gagcttcngt attcaatntc gagcgtcttg atatattacg ggactcaatc agacatccga 420
 gtaaaaagtt att 433

<210> 13611
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 13611

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 cttatgacaa tagcatcatt tctggcacta aactggtggg agttggaagc catcttctca 120
 attaaatttc tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcaacatca 180
 atcatactga tctccatgtt actgagtcct tcataaaaat atcggagaag aagctgctca 240
 caaatctggg ggtgaggtca actggcacat agttctctaa atctctccca gtattcatat 300
 aggctctctc cactgagttg cctaatacct gaaatatcct ttctgatggg catggtcctg 360
 gaagtaggga aaatgttctc taagaatact ttctc 395

<210> 13612
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13612

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 cacatgtgag aatcctagtg tcattttatt ataccctctt tcctttntat tatctttatg 120
 gcaatagtat tttgaataat gtgaacttat tatctttata tttatgtcct gtatttttcc 180
 tttactatt cggcttatgg tttattatac ttctgtcaat attttttggt ttatgtcaac 240
 aattatgtta tgttaactaa taaatgaaaa taacaattaa gatatagtca aatgtgttct 300
 ttgttattga aattcaattn tattagttca tgttggttcta tatctatatac ttaattataa 360
 tgtcttataa tganaataat tatagtttaa agtaaattgt ttataaaaat aatntattga 420

agtaaaagaa acaaatgaat antgttggtta gatttttaaaa ttattttatat aananaatat 480
tcta 484

<210> 13613
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13613

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gtgtccagca tcttgggatg ttcccagcct ttgatgacag ctttccaggt tctgctatcc 120
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attggtgggc tgttcaactg tcttcttctt ttctccatgt tcatcagaat ttatctccct 240
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gccagatgac gtacaggatg tcacgacatc acgcttcaga acatgcagat tatctctgag 360
tgtatgaaca gattaaacaa gtaaattaca caagagaatt gtaacccgag tcggtcaacc 420
tcacctacat ct 432

<210> 13614
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13614

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tcatcactga agatgtcaac ttttgctaca gggatcatgcc ctttggccta aaaattgcag 120
gtgctacata cttagagattg atgaacacaa ttntcaagca acaaattctga tgaanagtgc 180
aggcttatgt caacgacatg gtcgtcaagt ctcatagcat agcccaacac gtggcagacc 240
tgcaagaagt ctttggaaag ctctacaaat gcaacaaana ggccaatggc aaatggtgaa 300
tgtgcacana ctactgatg ctaagaaagg tgtgccccaa ggatgcatac cttctgcccc 360
gcattgacag gctagttgat agagcgatcg ggttccanng tgctagcttc ctggatgctt 420
actctggata caaccagatc atgatgcaca c 451

<210> 13615
 <211> 342
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13615

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 gggatgaatta agtttcaaaa tttcccaacta acaaactttt aacctccttc caaatgatag 120
 gctcagaatg cagaagaaga agcaacgacg aatttaataa tgttctttta acatgcaaga 180
 caaaattaat tgcaataaca taaatgagat aagggaagag agaaatgaaa actcgattta 240
 tactagtcca accacttccc gtgcctactt ccagtcctca agcaaccac ttgagatttt 300
 tcattatctc tataaatgct ntacagactn tgaacacacc tt 342

<210> 13616
 <211> 491
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13616

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 ggaatgttcg ctagggtcca gcctatagcc ttcttgtgct tcttgagaac tgataatagc 180
 ttctcctctt gctcatcagc aaggaggta gatgtaatta ctggaaaact nttgctatca 240
 tccaagtaag catattnta aattgatggc agaggcttca attctggtgt gggcggctgg 300
 ataatggtag aaagagatgg tttctcagcc tgtacctcan aaataaagtc agaggatatg 360
 gtatttcctg aaacatggtt agttctatct gactctagaa aatcaatctc aagaggtaaa 420
 catcaccaga catgtaatca atatcaattt cagattcact ctacgcatca nattcattcc 480
 atatgatcaa c 491

<210> 13617
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13617

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agagctgctg aagaaggtcc taaggttctc atgaacttta ggatagattt ttgagcccat  180
gggccaaggt tgggtccaat tatctttgta cgtattagat tacgatgtca ctatatttgg  240
ttcttgtaat tagggctcca taatgtaggt aggggtaccct agaaatatag gatntttcag  300
cccttgattt ttatggcacc tagacntagt tttgtattac gggtagttct gtaatttcac  360
atgcactaag tgaatattta atgtgtgtgt tggcaaataa atttaattga attggtagaa  420
gcccaatcca attaatatatt agagggggag gtgagcattn gcttactaca ccccatgtgc  480
acatcatata                                     490

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<210> 13618
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13618

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gattgcatga tgatatgtc agaacacgta gcttgtgcaa tgaagataaa gcatganctc   60
cattcctgtc ctttgcagat attgctacac catctagata caattctgtg atatctgtaa  120
ggttttgaaa cattgctatg tttggctttg caagtttcac gcagtgaggt gaggtatatg  180
aacaagacaa atcaagagta attaaccttc tgaggtgaga aatcttttgt ggaatctgcc  240
cctcgaagct agtattagac atgttcaaatt acctcaaatt gttcagcttg taaagctctg  300
aaggaatcac cgaacgaaag ttattgaaag ccatattaaa gctctgaaga tattgaaggc  360
tgaaaagaaa gcttgtatta acaagtcctt tgacatagag tcacgtgata tttaacattn  420
tctctaacac ttagtaaaaa t                                     441

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<210> 13619
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13619

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aatacgtaat ttaggatggg ttttttaaaa atcaatcata ttttagagaa taaaacactt 120
tccaaacaat ttgatggaca aagaaaagag gtgcccacaa atgttaattt tgttcttttag 180
tctattttct ttgtgggtgtg ttgttctaag atcccttgcg caggtaagtg attatgttga 240
tctgtgtaat tttctcaata ttttttacat acttattttc ttctcatcta tcaaataatat 300
ttctaaagta ttttaagaaa aaaatatcac aaactacttt aagtatatg atttaatagt 360
catntttatc ttggcaaatg agataaaaaa aataaaagga naaagaaatt aanagaatat 420
ttaaacatga naattatatt acaataattn taagataaaa ttataatgga ttaaataatat 480
ctttntatct naaaataata ta 502

<210> 13620
<211> 500
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13620

tatctctctc attcttgatc actgtgaggc ctgtcttctt atgaaccact tggactagac 60
tcaccactg actgtcagaa atggggtaaa tgattcctgc ttgcaagagc ttgggtcacct 120
cctttttcac cacatctaga atgatggggg tgagtcgccc ttgtgactgc ctactggct 180
tagctccatc ctctaaaagt gtcctatgca tgcangtaga tgggctaata ccatgaattc 240
ctgctaaagt ccatccaatg gctttcttat gcttcttgag cactagcaac aacttctcct 300
cttgctcagc agcaagggaa gcagagatga tcnattggaa attttccttg tctctctcaa 360
gtatgcatac ttgaggttta ctggtaaggg cttcaactct ggtgtgggtg gtggctgaac 420
agtggaagga actatggtag gagaagagga ggaggggtcc ttaccctgta cctcataaag 480
caagtcagaa gtatatgtac 500

<210> 13621
<211> 500
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13621

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gccttctgaa tatccatntg caccaagcat ctaggagaca catntttcct accataccct 120
ctcaccagct cctgagcaag taatatgtta tcttgatata tcttaccagg aataaaagct 180
gattgagtgt cttccaccac actatttatc acatcactca gtctgctagt caaaatcttc 240
gatatcacct tataaattat gctacaacat gatattgggc tcatgtcttt gatgggtttt 300
gcctccgggg acttagggat aagtgagaca atagagcagt tgacaactct gtacaactta 360
ctagaattaa aaaattccag gatagcattc tgcacatcat tntttacaat aggccaggcg 420
gcttnanaaa atgagaagan aaccatctat accaggagct gtgggttcacc aatatcacta 480
gacattcana tctctttgat 500

<210> 13622
<211> 513
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13622

tctgcagttc agacatcata naagttcaat aaattgacat gattcaattg tggatattca 60
tagatctgca attacagaga caatatTTaa caatgcttgt attattTTaa aacacaaacg 120
caaaattgga tgaaaaccaa taagaacaac ttactaatt tctccataaa acccaaaaat 180
ctattttagt tcatcattca gaaagggaga aaggaattat gcatacatga gaagttatta 240
aaatgatacc ttTggaattc aaaatataaa aaatgatgcc aggtgatgtc gccatttcac 300
tcttccctga aaattcaaT ataaaaatta ctttatccga aaattagtta catattcagt 360
agatgaacta cttattaatg gaatacaagt aaagaaacat aaatatggat acacatagat 420
gttactgcat tcaaaattag catgattaan ataaacagca gattcttaat aatatntata 480
ccaaaatcat gcataagctc cagtccagca gag 513

<210> 13623
<211> 478
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13623

atctctgagt cacctgcggc atgcaagctt gtaattcttg atccgcagat aacataggtg 60
 gtaaagtttg ggactggaac gagtcaccaa tggctttctt gaggaaagag aaataaaatg 120
 tcagatgaat tttactgtga gatggaagat ccaacttata agcaacaaca ccaaccttgt 180
 ttaacacctg gaaaggacca taaaaccaag gggagagttt ttcattaatc ctttttagcca 240
 aggatcttct cctataaggt tgcattctca agaacaccca atcaccgact gcatattcta 300
 tgtctcggtg gcatttggtg gcatttgctc acatgatatc ttgagacttc aacaaatatt 360
 ctcttagagt agccaataat tcattccaag agnatttttag tttattgact tcttcaaggc 420
 gggaaggaat ggtggatccc ttgagaatgt gagnggatc atgtccatac aaagcttt 478

<210> 13624
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 13624

agtcacctgc ggcattgcagc ttcacacagt ttattttctc ataccttgag tttgttatac 60
 caattactaa gactttccta actagatgat taagatgatg catattaatg tgtgcatccc 120
 tacgatgcca caaccaagaa tcattctattt tacttaccaa gtaactcagc tcattgaaatg 180
 atgcatgctt aacattcagc atatagatat tacctattct cttgccaatg tggacaactt 240
 tatcggacat ggcttcactt gtaagacaac aatttttgtt gaattcaatt ttgaagcctt 300
 tgtcccaaag ttgactaatg cttagaaggt tgtgttttag tccatccaca tataacatgt 360
 tctttatttg agttgtgtgt tgatttccaa tatttccttc tctattatt tttcctttgg 420
 tattggctcc agatgtgaca tgcctccat c 451

<210> 13625
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13625

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 gcgtaataga actttaatgg atatgggttag gagtatgtta atcaattaga ctttaccctg 120

atctttgtgg atgtatgcct tgaaaactac catgtatttg ttgaacaggg ttcctagtaa 180
ggcagttcca aagacatctn ttgaactgtg gacaaatagg atacctagta taaggcacct 240
gtatgtttgg ggttgctaga cagaaataag gatttataat ccgcaagaaa gaaaattgga 300
tgcaagaaca atcagtggat atttcattgg ttatccagaa aagttaaaag ggtgtatggt 360
ttattgttct aatcatagta tgagaattgt caaaactgga aatgcaaggg ttattggana 420
ttatgaaatc agtgggagta cagttccacg agaaatggan attaaagaaa gtagagt 477

<210> 13626
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13626

agcttcttag tttcagatga tgcagatgga gccatcttct caattaaatn tttggcttca 60
gcaggagtca tgtctccaag ggctccacca ctagcagcat ctatcatact tctctccata 120
ttactgagtc cttcataaaa atattggaga agaagttggt ctgaaatctg atggtggggg 180
caactggcac atagtttctt aaatctctcc cgagactcat acaggctctc tccactgagt 240
tgtctaatac ctgagatata cttcctgatg gctgtgggtcc tggaagcagg gaaaaatttc 300
tctaagaata ctctcttaag gtcatcccag ctctgtgatg accttggagc aaggtaatac 360
aaccagtcct ttgccactcc ctctaataaa tgaggaanag ctttcataaa tatgtgatcc 420
tc 422

<210> 13627
<211> 489
<212> DNA
<213> Glycine max
<400> 13627

tgtcttggaa tcaaggcttg ggaattgcat tggagctgcc aaaggtcttc attaccttca 60
caaaggagta gtggtacggg gaatcattca ccatgatgtg aagtcctcga acttattgct 120
tgatgagaac catgttgcta aagttgctga ttttggcctt tggggatatct tgaacctgaa 180
tatttaaggt ggcaaaagct gacagaaaaa tctgatgtct atgttaaaat taatgtctca 240
tcagatacat attatttgta taaagattaa taaataaata attaataatc aaagattaaa 300

ttgtattttta gttaaataaa aaaagttctt aaagataact actacttgat gaaagtaatg 360
atcttataaa aggggttaat acccactaat atgagacaat gttcccttcc tgacaaacaa 420
agtattatcc ctaatctagt catcacaac gtaaagagac agaaagaata gtcaaggaag 480
tgaaatctt 489

<210> 13628
<211> 453
<212> DNA
<213> Glycine max

<400> 13628

agcttatgct gcaaataattt acaatagact ctttcaacct cagcagcaaa atcaaccaca 60
acagagcaat tatgaccttt ccagcaacag agacaaccct ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gtccttcct tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgatga ggcaaagac 300
tatgcagaac atgcagtttc agcaagagac tagagcctcc attcagagtt taaccaatca 360
gatgggacaa ttggctaccc aattgaatca acaacagtc cagaattctg acaagctgcc 420
ttctcaagct gtccaaaatc ccaaaaatgt cag 453

<210> 13629
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13629

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gatatagaaa atacagctgg attaattggg agaagttgtc cattgacagc aatactctga 120
agattcaagt tgtaatgagg cctgatcaac aagtcaaata cataaagaat tgcaaattat 180
ttgacagaaa aaaaaagaag cataacaagc attttaagaa catgattatt tatctaatac 240
aaaagcttac ctccccaac tatcagatca tactatatat atatatatag atagatagat 300
agatagatag gttctaattt atattaatga cttagattaa ttcactaaac atacatcacg 360

tgacagatct cattctttcc ctgtatgcgg aaaacacaac agcttgggtca tttgagtgtt 420
 cctcttccca ttttctctga natgtgtgtg cctccctctt cttaaattggc ttgttgcgct 480
 ctggctctgg tgtcatgcgc tgcattgctc 509

<210> 13630
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13630

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 atccgaggac ttctcatatg gctacagcaa agagaatttt gagatatgtg aagggcacac 120
 ttgattatgg tttgttattc tccaaagcaa atcataatca aggaataagg ttaattggct 180
 tttctgatgc agattggagt ggtgatgtag aggacaacaa aagcaccact ggatatgtct 240
 tcaaattact tgatccacaa tctgttggag ttctaagaag caagaagatg ttggactttc 300
 aacttgtgag tcagagtaca tggctgctgc ctcagcagct tgtcaatcag cctgggttga 360
 gtccctcttt gcagaatnga agattcagct tgattcagtt gttcaactta acatggacaa 420
 caagtctgct atatgtcttg ccaacaaccc aattccacat ggaagaacaa agcatattgt 480
 gacaaagtac cactatc 497

<210> 13631
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13631

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 gctcatctcc ttgagaagct tccttaagaa gattcctaaa gaagctagag cttagctaca 120
 cacacatcta taatagctaa gtcacctcc ttgagatgag aagctagagc ttagctacac 180
 accccctata atagctaagc tcaccccat gacaaaatgc atganaatac aaaaaattcc 240
 ctactacaaa gactactcaa aatacctga aatacaaggc ataaacccta tactactaga 300
 atggccaaaa tacaaggccc aaacgaagga gaaacctatt ctaatatatta taaagataag 360

cgggctcata cttagcccat gggctcgaaa tctaccctaa ggctcatgag aaccogaggg 420
ccttcgctgg gatctct 437

<210> 13632
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13632

agcttgttct tgactcatct tctccttgaa gtgtcgtctc caatcatctt tctccttct 60
ccattccgct tccattgac ttcaagaagc aaaggactcc attgatgaaa aagatccaag 120
gcctacaagc tccacatgga gctacatcaa ttaggatctt catcaagctt tctccttcta 180
aatttatttg gcctactacg accctttttg tattttggtg gttgaatctc atcaaatacta 240
taactggcca catattcata ccattaattg atgtcacctt acgtccataa caaacaccat 300
atgtatccct tgaatattaa ttattcacat aatcgacaac cttanaaaaa tttaattgta 360
ttgcaaccac tacatgtgtg caaggtatgc caaccaatct ccanaagtta catgaacaac 420
tcnntgttgt tataccaata ataaattntt caatagaata aatatatgac ttcaaat 478

<210> 13633
<211> 494
<212> DNA
<213> Glycine max

<400> 13633

cggttcatat cattattaga ttacatatta ttctcttatt tatgattaga tactaaatag 60
tgatttagtc cttattactc tttattaaat tgagggcgag ccctgggtgca gcggtaaagt 120
tgtgccttgg tgacttggtg gtcattgggt cgaatccgga aacagcctct ttgcatatat 180
gcaagggtaa ggctgcgtac aacatccctc ccccatacct tcgcatagcg aagagcctct 240
gggcaatggg gtacagaagt tttatttttt actctttata taattgatcc tctataatca 300
atattaatcc tatttgttca ttataaataa agacttagtg tggatcatcca acacacacac 360
aacactacag taaaatactt gtatatatta acatctttga gagaaatatc atatcatgta 420
cacttaacaa taacagcaat ataatgagtt gcctgatata catatcgga tagtctttat 480
tttcgctatg tcac 494

<210> 13634
 <211> 152
 <212> DNA
 <213> Glycine max

<400> 13634

tatgaccata tcaatcgctg gagagtttcc gacgtctaata tatgagcgta gccatatatg 60
 atacccttgg agaggacctc cgagcgaaaa gatatgacca tagcaatcgc tggagagctt 120
 ccggcggttca attacgagcg tctctatata tg 152

<210> 13635
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13635

agctataata tatcgaanatt gaacaacgga agctctcgta tattcaaattg gtcataactn 60
 ttcacactga ggtccgattc aggtttataa tgtatcgata cactcgaaat taaacatcgg 120
 aaactctcta gaaattcaaa tggccataac ttttcacacg gatttccgat tcgggcgcat 180
 aatatgtcga gaggtctgat attgacaacg gaagctcttg agaaatcaaa tggcataact 240
 ntcacacgga tgtccgattc gggcaaatca catctcgaga cgctcaaaac tgaacaacgg 300
 aagctctcga gaaattcaaa cggtcataac ttttcacacg gatgtccgat tcaggcttat 360
 aatatatcga tacgctcgaa attgaacatc ggaaactctc gagaaattca attggtcata 420
 acttttcaca cggatg 436

<210> 13636
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13636

cgttattaat atagttaata aaaataataa ctaacatgag ctacgcctct gttttactaa 60
 aggtatactc tgatataatt aattnttcca ttgtttctag tctaggaatt aggatataaa 120
 catgggttta aaaaaagttt gtgggtcatca atgtgtgtag ttacactcta agtttgtaag 180

gagaggatat atatttgatt ttaaaagaat atattatggt gaagataatt ggagatccaa 240
 ctgaggaacc aaagaatntt aattactgtg ttaacgatgg tgcaaaacat atatggtgat 300
 tacaatttaa aaccatttga attaaaagat aattaacat gtatgaaacg taaaataaat 360
 taagagaaat attaatttaa tttttgtgtg aatatgttag ctagagttgg aatttcaatc 420
 gtgttgaagt gggttctgca tgattggaac gatgaactct ctgtgaagat a 471

<210> 13637
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13637

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 gtccccctca atccccctca ctaaaatttt atgtcccaac actatgcctt ctagaccat 120
 aaagtgacat ttttcccaat taagcaccag attagactct tcacatctct gtaatactct 180
 ttctaaattc catagacaac aatcaaaaga tgagccaaaa acaaagaaat catccatgaa 240
 aacttcgata catttctcca ccatacaga gaaaattgcc atcatgcacc tctgaaatgt 300
 agttgaagca ttacaaagat caaaaggcat acacctataa gcgaacacac caaacgggca 360
 agtgaaagt gtcttctcct gatccttagg atccactatg acctgattat aatcagagta 420
 tccatccaga anacagtaaa atgctnggcc ctgcagtctt tcaagcatct ggtccatgaa 480
 gggaagtgga t 491

<210> 13638
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 13638

tggtcataac tgttcgacg gaggtcttat tcatgogcat aatatatcga gacgcaagat 60
 attgaacaac ggaagctctc gagaaattca aatgctcata acttttaaca cggaagtccg 120
 attcaggcgt ataatatatc gagactcacg aaattgaaca acggatgctc tcgagaaatt 180
 caaatgggta taacctttca ctccgatgtc agattcatgt gcataatata tcgagactgc 240

tcaaaattta acaatggaag ctatcgagca catctaattg tcataacttt tcacttggag 300
gtccgattct ggcgcataat atatctaaac gcacaataat taactacgga agctatcgag 360
aaattcaaat ggtcataacg tttcacttg 389

<210> 13639
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13639

ntccattctc tnggaagttc atcattggga ttgacttctt ctggaggatc ttcattgttt 60
cctttatcat ttcctttgga atcttggtca tgaatattca tatgttctaa agaactctgca 120
atatcatcta gcatattctt tcttgacaag atagcattag attcatcaaa ggtaacatga 180
atggattcct cgatattcat agttctttta ttatatatcc tatatgctnt gctntgtaat 240
gaatatccaa gaaaaatacc ttcacagat tttgcatoga attttcctag attatcttta 300
ccattattaa gcacaaagca tttgcaacca aaaacatgta gatgagaaat atttggttgt 360
ctaccattat ataactcata tggngttttc tttaaaatgg gtcttattaa ggccctattc 420
atgatgtaac atgcagtatg tcgcttcagc ccanaaatac tntggaagag aagtatcatt 480
taataaagtt 490

<210> 13640
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13640

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cctctgaatc acatccttta gagttgctgg aataaagtag atactcatgg tgtatgaagg 120
catttgctct tctccaagtc actatctttc ttaaaaaaca gaccttttcc aggatttctc 180
tttaaatacc taaaaatttg gtagaatgcc tcaatgtgtt tttcataagg agagtgcata 240
aactgatgta caacactcac tgaaaaaaca atgtgttcgg gtataagaca agtaaatcaa 300
tttgccaact aacctttggt atcttccaac atcaatagga accacttctt tttcccacaa 360

tttcccattg ggatcgatgg nggtatctgc tggctctacaa ccgctcattc cagttttcttc 420
 caagagggtct agaataatcct tctgtangga aacaacaatt cctctttttg agcanacaaa 480
 ctccattc 488

<210> 13641
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13641

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 ccttaatttc actgtgtccc tgcaaggggc atttatctct ctttactggc attatttcgc 120
 aaatcccaac agtgggaatg tgtaaaaata agtttttaaag ggggtgtcca aatttcagga 180
 cgatccaatg gttaataagt ccaggattgt agttttactg ggatagggtt ggggtgtatgt 240
 gggaaaaaga gagggttttg ggagaggaag aatggaggac gaatttggga gaaagagaga 300
 gcgtagaaac atatcgtaaa tgtaaaagct aacttaatat gtctctattt atagttaggg 360
 tactctaagc ctattattta ctctattttt ctttattnta ttaatttata aaaatgaact 420
 ctatntttct atttcattaa ataaataacc aattaaaaac ccctttattg tctanaacat 480
 cactgtactc ta 492

<210> 13642
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13642

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 gttcgaagac aaccttcttt ctccctttgt tggcttggtt agcatagctt ttatttttcc 120
 tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc ttgcttgac 180
 cttctttatg cttaaaaaca gaaacattat gcataggcaa aagatcaaga ggagttagtg 240
 ggtaaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acaactntat 300
 tgtaagcaaa ttcaacatgg ggtaaaacaag cttcccaagt tttaagttct tcctcaaaac 360

tgtcctaagc aaagttccca aagtcctatt aacaact 397

<210> 13643
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13643

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catcagtcac atctttttat ttgggtcttg aatggccatc aaaggattat atatatgtga 120
cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180
caaaattggt tcatcctctt aaaaattcct tggccaaaac acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattact tcttctttat 300
tcagaanaaa gaattaagag accgaggggc tcttggtgta aagaaatcta aacacaaagg 360
aaggattgtc cttgtgtggt tcagatcttg taataggctn ttacaagata gtggaactct 420
caagcggggt gcttggtggac tggacgtang cacaaggggtg tgactgaacc agtataaatc 480
tgagtntgca ttctctcttc cc 502

<210> 13644
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13644

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tccatcagtg ggcttttcctt ctgtgtccag catcttgga tggtcccagc ctttgatgac 120
agctttccag gttctgctat ccagtgattt gaggaaggcc accatccttg ctttccagta 180
ttcatagttg gttccatcca gaattgggtg tctgttcaact ggtcctcctt ctttctccat 240
gttcatcaga atntatctcc ctaggtctca ctcaagtatt tcgagtgcct gctctgatac 300
caattgaaat tctgatacca atgccagatg tcgtacagga tgtcacgaca tcacgcttca 360
gaacatgcag attatctctg agtgtatgaa cagattaaac aagtaaataa cacaagagaa 420
ttgtaacca gttcgggtgca acctcaccta catc 454

<210> 13645
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13645

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gtctgattga gtctgtaat atatcgacac gctcganatt gaatggtgaa gctctgagca 60
aattcaaacg acaataaatt tttattcgga tgtctgatat tgtcccgtaa tataacgaga 120
cgctcgaagt tgaatgctga agctctgagc aaatacaaac gacaataaca ttttactcgg 180
atgtcggatt gagtcccgta atatatcgac acgctcgaaa ttgaatgttg aagctctgag 240
canattcaaa cgacaataac tttttactcg gatgtctgat tgagtcccg t aacatatcga 300
gacgctcgaa gatgaatgtt gaagctctca gcacaatcaa acgacaataa ctatntactc 360
ggatgtctga ttgagtcccg tcatatatcg a                                     391
  
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<210> 13646
 <211> 367
 <212> DNA
 <213> Glycine max

 <400> 13646

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atgttcttaa gcaaaagcta tctattgcc tcatacttgc gttgccaaac tttcaaaaat 60
cttttgaaat tgagtgtgat gcttcaaag ttgggattgg ggctgtgttg atgcaagaag 120
gtcatccaat ttcttatttt agtgaaaagt taagtgggcc tacccttaac tattcaactt 180
atgataagga gttgtatgtc ttagtacagg ctttgaaaac atggcaacac tacctttatc 240
ccaaggaaat tgtcattcat agtgaccatg agtccctcaa acatatcaag gggcaaggca 300
agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 360
aacataa                                     367
  
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<210> 13647
 <211> 495
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13647

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 ntgctgatgg cttcttcccc ttccaagctt caattggagt cttgtctttt acagacttag 120
 ttagacatct gttgagtatg taaacagcag tgtagactac ttcagcctag aatgtgttag 180
 gtagtccctt ctccttgagc atcaatctag ccatttccgt aactgtgoga ttctttctct 240
 cagacacttc attntgttga gaagaatatg cggcagtaag ttgtcgctca atgccttcat 300
 cctcaaaaaa tctttcaaac tcgcgagagg tgtactctnt gtcgcgatca cttcttagta 360
 cttttatccg ttgtccactt cgatttcagc aagggccttg aacttcttga atactccaga 420
 gacttctgat tattctttta gaaaatatac ccatgtcatt ctagagaatt catcaatgaa 480
 gagtatgaag tacct 495

<210> 13648
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13648

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 attctatcca ctctntgcag tgtcttcatg gaccaaagtg gctgaaagct gaagttcttt 120
 tttggtagt ataggcttaa tttttcagtg caatctgtct tagtcttact gcttactctg 180
 attatcatta ttctatctaa tttatcagca acataaatac tggcaaacat gaagaatgaa 240
 tttctctgta tacctgtatg gtgggcagtt actgtatcca aaagtgtgtt ggtagtataa 300
 ctattggatt gcagtcttat tcgtcttggc tcaacaacat ccaccgagct cttagaccaa 360
 aatgcanagg tagatgaatc gaatntctgc ataattcaat tagaanatgt tatattgaga 420
 ttgactacaa attaatttca aaatttcaca nagggaaaaca acaagcttac atcacatctt 480
 gttatgttct caattggata tattctc 507

<210> 13649
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13649

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 tttgggagcc aatccaatcc ttgtgtccga actctcagcc acttatgata accgccgatg 120
 atcccattac tgcttccctt aagctctctg tcttttcttc acaccgcac ccatgccttg 180
 cgaactcctt ggagtaccct tgcgttgtgg tcaactgaaac cccgtgcgat gaaaggcgtg 240
 atgctttcat ctgatggcac tcctctcatg gggtagccaa gctgtcttat ggtgaggacg 300
 ggattatatg tgtgccatct ctagatgatt tgaaagttca gatnttggag gaagcacata 360
 aaagtcgtct tagtttccat ccaggaatga ctaagatgta ccaagatttg aagaagaagt 420
 tttggtggca tggcatgaag aaagatgtag ccgaatatgt agcaagatgt tcgacatgtc 480
 aaa 483

<210> 13650
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13650

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 caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatatgt 120
 gacttgagac acgaatttaa gaagagtttt tggagaacaa aaaggcttta tcctattaaa 180
 aagcaaatcg tgttatcctc ttacaaattc cttggccaaa ttacttgtga ttcaataagg 240
 aattatttga gtgctcaaat tgttcagtct atctctttca agagagattt cttcttttct 300
 tcttcttcat tctgaaaagg gattaagaga ccgaggggtc cctgttgtga aagaattcta 360
 aacacaaagg aagggttgtc cttgtgtgtn tagaacttgt aaaaggaatn tacaagatag 420
 tggaactctc aagcgggtt 439

<210> 13651
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13651

agaatcagac atccgtgtga agagatatgt gcattagaat atctcaagag ctttcgcagg 60

acaattttcca gcttctcgac atattatgcg ccogaatcgg acatccgtgt gagaagctat 120
gaccatttga atatctcgag tgctttcgat gtagaatttc cagtgtgtcg atatattcta 180
aacctgaatc ggacctccgt gtgaaaagtt atgactatnt gcataatcagg agaggtatcg 240
atgtagaatt tcgagcgtat cgatatatta taagcctcaa tcggacatcc gtgtgagaag 300
ttatgaccat tagaatttgt caagagct 328

<210> 13652
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13652

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aggggtgctat aaccttttagc accgactaac taccataaag atcaagaaag aaagaccctc 120
ttagcgcaac cttctagctt ccctttcaga ctcgagtagg gtgagaatgt ctccttctct 180
cactgggtcct ttaacattcc tcatgatgtg acggttctga tcatccagaa acttcactct 240
aacctgggtc acctgtcctc tggatccagt acgaccatt actttgacaa caagtgcgtg 300
cttcacctga gactccatcc tgctcaaaca caatcaaacc gttatgagat gaaagtggaa 360
nacaaatgtg tttaatgaat caatgacaga taaatcagga ataacatctt ccaaagtgaa 420
aaggactcaa accttaaate attagctctt caactttcaa ttntcacaga atcatcctaa 480
cagcgaatga 490

<210> 13653
<211> 497
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13653

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gatcatgagg gagctaacaa aaattttcat gcagatggac cttcttctac tagctctgac 120
ttgcagtagc ctcttatccc tcttccattt ccacctagag caattccaaa caaaaaaatg 180
gaagaagtgg aaaacgagat cttgaagacc ttcaggaaag tagaggtgaa catacctctg 240

ctagatacca tcaagcagat tccaagatat gccaaagtttc taaaggagtt gtgcacccac 300
 aaaaggaagc tcaaggtcaa tgaaaggatt agcatgggta gaaatgtgtc agcattgata 360
 ggtaaactctg ttcttcacat tcttgagaaa tgtaggacc caggaacttt cagtatacct 420
 tgtattattg ggaataataa atttgagaat gccatgctag atctangagc atcaattagt 480
 gtcattgctc tgtccat 497

<210> 13654
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13654

cctatntctc atacatgcat gacagtcacg ttgtattcaa ctattgcaac accaccggtg 60
 atgtcataca catatgtcgt aagcacagca gaacccttg catatttgaa gatccagta 120
 cccccaacaa ttggcatttc tctaactttt ataaatgtag ggtttctgcc aagaatgctg 180
 aggggtgctgc cattgtaaat gcccaaagtg aagagaaaat ttgtcaccat gagcaaccca 240
 ggctcatgtt gtgaagccaa agcgtatatt cctgagatc ttcccacaag cnttgaagtt 300
 ggacttggtc cttcagttag aggggtcatcc atcatgtaag tagccccaaa accatgaatg 360
 gacccttan gaggcaaac agttttcata gcagttgggt gttcccccggt tatgttggtta 420
 tggaatataga agtggagttg ggtgaagttt tctttcacgg gttctgtgga tggat 475

<210> 13655
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13655

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 taccgaagct ctgagataat tcaaacgaca ataacttttt actcggatgt ctgattgagt 120
 cccgtaatat atcgaaacgc tcgatattga atgggtgaagc tttgagcaac ttcaaactac 180
 aataactttt tactcggatg tctgattcag tcccgtata tatcgaaacg ctcgatattg 240
 aatagtcgaa gcttgagcaa attcaaacga caataacttt ntactcggat gtctgattga 300

gtcccgtaat atatcgagac gctcgaactg gaataccgaa gctctgagat aattcaaacg 360
acaantaact ttactctga tgtctgattg agtccgaata tatcg 405

<210> 13656
<211> 392
<212> DNA
<213> Glycine max

<400> 13656

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acgtattgtc gttgaatttc tcagagattc ggcataccat ttcgagcgtg ttgatataatt 120
acgggactca atcatacatc cgagtaaaaa agtgatggtc gtttgaatct gttcagagct 180
tcggtattca atttcgaccg actcgatata ttacgggact gaatcagaca tccgacaaaa 240
aagtttttgt cgtttgaata tgctcacagc ttcggtattc catttcgagc gtcttgatat 300
atcaccggac tcaatcagac atccgagtta aaagttattg gcggttgaat ttgctcaaag 360
acctcacatt caatatcgag cgcttcgata ta 392

<210> 13657
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13657

aggacnnctt tgagggccac caacaatttt cacctcacac ctccattgga agaggtgggt 60
ttgggttggt ttacaagggc attctacctg atggetcaat ggttgagtg aaaaggcttg 120
aagaatcata ttctcaagga gatgctttgt tctaaagcga ggtggagaat gttagcaact 180
tgaagcaccg taatctggtg ccattaaaag ggtgttgtgt ggttgatgag gaggatgata 240
accacaattt tgagtactga aggtatctag ttcatgaata tatgccaaat ggtagccttg 300
aagaccatct cttttcaacc atattagaca accaatatac aaagaagtcc cttacttgga 360
ctcaaagaa aagcataatc ttggatgagg catatgctt 399

<210> 13658
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13658

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cagggggctc ttcttctgtg gccaacatct tgggatgttc ccagcctttg atgacagctc 120
tgcattgctct gctatccagt gatctgacga aggccaccat tcttgctnta ccatattcat 180
agttgcttcc atcgacaata ggaggtctgt tcaactgggtcc gccttctttc tccatgttca 240
tcataatcta tctgcctaga tctcaactctg tgattacgag agcaggcttt gatccaatag 300
agattctgat accatgggac agatgtcgca cacgatgtca cgacatcacg cttctaacad 360
gcagatatat gt 372

<210> 13659
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13659

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cttggaagat aaatgtcagc ggaatggaga ccgcaccaca gagaggagac gccacttnaa 120
ggagaagatg agtctagaag aagctcacca ccataggagg ccatggataa gatcttggag 180
gaagaaggat atgaatgaag ggagagggag agaacagcac gatattttgt gctcaaaagg 240
agctctgaca tctgaagtta atattcgaat gatcaaagtt gnaaaaaatg cacacacatg 300
acctctatct atagcctaac tgtcacacaa aattggaggg aaattcaaac ttcacttgaa 360
tctgatattg aatttgtgga gcctaactct ggagccaaaa tttctctaata tatgattagt 420
gaa 423

<210> 13660
<211> 398
<212> DNA
<213> Glycine max

<400> 13660

agcttgcaat tgaacaacgg aagctctcga aaattcatat ggtcataact tttaactcgg 60
aggtctgatt gaggcgcatt atatatccac acgctcgaaa ttgaacaatg ggagctcttg 120

agcaattcca atggtcataa cttttcactc ggaggtccaa ttcaggcgca taatatatcg 180
agacgctcga aattgaacaa tggaagctct tgagcaattc aaatggcat aacttttcac 240
tcggatgtcc gattcaggca cataatatat caggacgctc gaaattgaac aacggaagct 300
ctcgagaaat tcaaattggc ataacttttc actcggaggt ccgattgagg cgcattatat 360
tttcagacgc ttgaaattga acaaccgaag ctcttgag 398

<210> 13661
<211> 493
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13661

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atgcgccaga gatgtaagag aaggccctan ggttcttatg agccttangg tagatttcgg 120
acctatgggc taagtacgag ccacttate tttgtaaata ttagattaag gtttcattat 180
ttttgggcct tgtatttagg gtcacataat gtaggtaggg taccctagaa atatangatt 240
tttcagccct tgtatttttag ggcaoctaga ctacgttttg tattaggggt agttttgtaa 300
tttcacatgc actaagtga tatttgatgt gtgtggctgg aaataaattt aattgaattg 360
gtagaagccc aatccaatta atatttagag ggggaggtga gcatttgctt actacacccc 420
attgccatat catatagtca cactttgtgc atgtncctca tngctttcat gcctcatgac 480
acctaagcac act 493

<210> 13662
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13662

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tttttcttcg tcattgaggt gccacttgag ttgccaggct tctccacctt tgggcgtatt 120
ctttgaaaga tctgtgcccc tttttgcaca tggtctattg ttgcatccta tccggaacca 180
tatcaaaatt gtactgatag tgcctaata aggcaaccat tangtccttc caagagtgga 240

ctcgagaagg ttccaggtta gtgtaccagg taacagctac cccagtaaga ttttcttaga 300
 aggaatgtat cangagttcc tcattcttttg cgcattgcccc catcttttcgc taatacatct 360
 ttagatgggtt cgttgggcaa gtagtcccct tgtacttgct aaagtccatc accttgaact 420
 tgata 425

<210> 13663
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13663

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 agagtgaata atccaaagaa natcagcatc tatcatgatg tgcacaaatt tctgcaactt 120
 catttgcatt actttcttgc aaaatgtgtg gaaatgctat tatttttttg gcattcttaatt 180
 tctgatttcc ttattgattt ggctaataagg tcattttaatt acgttgatat tccagagatg 240
 catgttagta gtaacttttc ccaaaaaatt ataattatta gagctatata caaatgaagt 300
 tcacacctga agattaagct cattgtatag ggcttttact ttagcaacat tttctggatc 360
 tggcttacca tagttctcct gcaaaccaca aaaaaatagt gacttattgc agtctaattca 420
 tggcagaaaa taaggaaaga aatangaagt aataagacgc tcacttactt gtagaaatt 479

<210> 13664
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13664

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 gaaaaattaa aggaccattt cgttgctcaa tacgttcttg aagatcatcc cagattgctt 120
 tggcagaaga acaatgtaag atactgactt gcatttcttt ggataaagaa ttaatgagcc 180
 aggaagaaac gatactatca ttgcgatgcc acaaagcatg agtggagtga cccaaagcag 240
 gtttaggaat tgaaccatca acaaaccat atttgttctt cccatgaaga gccatgcaca 300
 ttgctttctt ccaagaattg tagttatcac cggtaagagg atgagaaact aaggcaatgc 360

caggatggtc ggaagaatga agaatgaagg ggtagaatc atcaatggca gccatggta 420
tgagataaa 429

<210> 13665
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13665

gaaaagctag taaatacttg tatattattc atttgaaca tggttggtata aaaaagtaac 60
aacgataata aaattaatta aggcgtaccc aacaagcttt ctcttgcttt gaaaagtcac 120
taatcgtaat gaaaaataac aattaaacaa caattaataa aagagaagtc aagcttattg 180
aaaagctagt aaatacttgg aaaatatcca tntgcaacat gttggagtaa aaaagtacca 240
attatctcac taatgaaact tatatataaa aaacattaat aaattaatca acatgcacct 300
ttcaataagc gataataaat taatcaaagc gtataactag agacatgttg acagtaaata 360
ttaatcttca tctattattg atcttattta taaagaaact gtaatgaata atactatcat 420
gttagaagtc gggtat 436

<210> 13666
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13666

gtactctaga gtgctaagct gctaattaat attgttcatt caactgggtc acaatgaggt 60
taatatcagt gttggaggaa cccgcgatga ttatatcatc tacataaatg agattaagca 120
ggcagcaacc atgtttgttg aatacgagaa gagagggatc acacttggtat tggtgaaaac 180
caaaggagat gagagtattt gtcaaactct cataccaagc ccttggggct tggtgtaaac 240
catatattgc cttgtgaagt ttgcatacaa gagggtgatt accctgaata aagccttgag 300
gtttttgcat gtagacatct tcatggagtt gcccatagaa aaaggcattg ttgacatcaa 360
gttgaataag ggcgcatttg gaagtaagag caatggtgag gacaattctc agtgtgattg 420
gtttcaccac tggagagtan gtgtcactgt aatcttgacc ata 463

<210> 13667
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13667

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 ttttcgggatg atgaccagat cctatagcct ctcaccccat caccataacc catgaacaga 120
 ccctttcttg atctaggtac caactttcct tcattgacat gataataagc attgcagcca 180
 aatactctta ggtttgagta gtttggtgtt ttgccattcc aaatttcaat aggagtttta 240
 agtcctatag cagtagaggg tgttctattg attagaaaac aagttgtatt gatagcttct 300
 tcccaaaaac ttctgctgag accagcatta tacaatagac atctttgtct ttccagaagt 360
 gttttgttca ttcttttagc aactccactt ttctgaggag tgttactaac agtaagctgt 420
 ct 422

<210> 13668
 <211> 475
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13668

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 ggctttccct gcttaaacad cttagaactt tgcccatgaa atccttatta ggaaatatct 120
 ttctaatga tgcaagatga ataactatat gtgtaaatct cttttgcata tcttgtatga 180
 tctcattttg attcattctg aaaagttcat attcatgtgt taggggtgtt attctagatc 240
 tcttaacatc tgttgttctt tcatagggtta cttgtaatgt atcccatatt tcttttgcac 300
 tcttacaatt tgagactcta aagtattcat ccattcctaa tgcagaggta attatatttt 360
 tagcctttta gttatattgt accctttntg tttccccttc atcccactgt ttcctagggt 420
 tttctatagt tgcatttcct actaccattg tggggatgta aggaccggtt tcaat 475

<210> 13669
 <211> 449

<212> DNA
<213> Glycine max

<400> 13669

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ctacttcatg ctcgtatgtc atccgaaata cggtaacaacc agttgctttg gtgggcatat 120
ttcgacaagc ccataatgct tcttgtcata ttttcagatg atcttataaa ttcttcttaa 180
ttatatcaat caagatctta ttggtagctt caactttctc atttgcttgt ttataataat 240
gtgttgaatg tacaagcttg atgtcgaatt gttgtacgaa caaattcacc ttgtctccag 300
taatcataat tccttgggtca gatgtgatag actcacgtat gcggagcaat aaaataatgg 360
tatgtttaat gaatctaaaa acaacttctt gagtcgcaat aaccaatggc ttagcttcca 420
cccatcttgt aaaataatta gtggatact 449

<210> 13670

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13670

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cagataggac atgcatgatg ctttttcgca ctgcctccac ttaaantntcc atattctaga 120
aatcattaa tagtacaaaa caccattgtg cgtaacctga acgtctgctg cacatttgca 180
tcccacgcat ctacccttcc ttcccacaat tgtttcaagt cttcgattaa cggcgtaaga 240
tacacatcaa tatcattccc tggctgcctt ggatccgcga tcgtcataca caggataatg 300
tatttacgca naatgcacaa ccatgtggga aatgtgaaat catcagtaaa taggcacgaa 360
ctgtgggttg tgттаagcac cataagataa tctcatagaa caagagcagc cttagttctt 420
gatcatccaa acttaataca acat 444

<210> 13671

<211> 318

<212> DNA

<213> Glycine max

<400> 13671

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aacggaagct cttgagaaat tcaaattggc ataactttcc acatggatgt ctgattaaga 120
cgcataatat atcaagatgt tcgaaattga acaacgaaag ctctcgagaa attcaaatag 180
tcataactct tcaactcggag gaccgattca tgcgcataat atatcacgac ggctcgatata 240
gaacaacgaa agttcttgat agattcaaata ggctcatatct ttttaaccctg ataacctatt 300
tagagacatt acatatag 318

<210> 13672
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13672

atgtcagctt cccgccagaa ctctatgggc ngattgtgtg atttattata catcaanaca 60
agccccttaa aaaaagtgcac ttgacaaaaa cagcccttaa aacatgagaa aaggaacaca 120
atcacgggtg gggattcata ggcaagttac cagcctttct tgttctgaag atcgaccagc 180
gaaacagctt ttctttattc ttttaattgc aacatgcgat cctctccatt ttccatggta 240
cacagtccca aacgtaccag aacgcagctc tggcaactct tctagatatt cattctttat 300
gaactgccat gtgcacttta natatatgtg ataaattaaa tgtcactaat cttatgaacg 360
ataatctata atgtgatttg agaa 384

<210> 13673
<211> 345
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13673

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ctagnttatg aatatatggc aaatagcagc cttgacacat tcttatttgg taactcactt 120
caaccatcaa tggaataata tgttgaattt ttattgcctt ttcttctctt ctccacaatc 180
ttacgtatat ataaaaacat gggaagcacg ttccaaaaaa gggtccctca attggaaaca 240
acggtatgat atatatttgg gcacagcaag gggactagca tatctacatg aggaagtcca 300

tgtgtccatc attcataaag atataaagac cggtaatatc cttct

345

<210> 13674

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13674

agcttcttag tctcggctga tgaagatgaa ttcgtggcta cttcatgcac tcccctaag 60

acaatagcat cacttctggc actaaattgc tgggagtttg aagccatctt ctcaattaaa 120

cttctagctt cagcaggggt catgtctaca agggctccac cactagcagc atctatcata 180

cttctctcca tgttactgag tccttcataa aaatattgga ggagaagctg ctcagaaatc 240

tgggtggtgag gacaactggc acatagtttc tttaaattctt cccagtattc atataagctc 300

tctccactga gttgcctaata tcttgaaata tctttcctga tggccatggt cctggaagca 360

agggaaattt tttctaagaa tactctcttg aggtcatccc aacttatgat a 411

<210> 13675

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13675

ataccttntn gtatgagtat gcttttagcaa ctattcttgt tttgttactt acaactntac 60

cagtttcatc cagtttggtg ggaaagaccc acttcgctcc tacaactttt tttcctttng 120

gcaattcaac taacttccaa acatcattct tctgaaactg atcaagntct gtttgcatg 180

ctgtaacca tttgtcatct tccattgcat caacaatgtg gttaggtgcc attttagaga 240

ccagcgcagg aagcgcttgt gttttgagtg atgatcttgt ttgaacatga tctactagat 300

caccaatgat ttgactatct ggttgattta ttctcatgat gcatccagtg ggttactcga 360

ccgtcttctg aactatctgt tgagaggaca ctttctatcc tgg 403

<210> 13676

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 13676

tgtctctgat caaacacatt gtgctgtaca gaaagtttct ttataatang aattctcccc 60
anaaatatta nggttgtcaa gactatgaag tcaacttcat tcactntggt gccagagtca 120
ctggatatctt ccattcacac agatgttcaa aaaggattgg ttccttgta tctttgtgcc 180
actgtgggaa caacttcaac cactgcaatt gatccattan gaccactgtg caaggtggca 240
aaagaatatg gcatgtgggt ccatgttgat gctgcttatg ctggaagtgc atgcatttgt 300
cctgagttca gacacttgat tgatggagtt gagggtgcaa actctntcag tctcaatgct 360
cacaagtggg ttctcactaa cttagaattg tgctgtcttt ggggtgaagga tccagcttct 420
gtgattaagt ccctatcaac aaattcagtg tacttagaaa acagtgcttc tgattc 476

<210> 13677
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13677

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cagtgtccaa agatgcatgg gagatcctga aaatcactca tgaaggaacc tccaaagtga 120
atatttccag attgcaactc ttggctacaa aattcgaaaa tctgaagatg aaggaggaag 180
agtgtgttca tgacttccac atgaacattc ttgaaattgc caatgcctgc actgccttgg 240
gagagaggat aacagatgaa aagctgggtga gaaagatcct cagatccttg cctaagagat 300
ttgacatgaa agtcaactgca atagaggagg cccaagacat ttgcaacatg agagtatatg 360
aactcattgg ttctcttcac acctttgagc tatgactctc gga 403

<210> 13678
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13678

agcttatgct gcanacatat acaatagacc tcctctacct caatagcaaa atgaaccaca 60
acagaacaat tatgacctct ctagcaacag atagaatccc ggatggagga atcacccata 120

tctcagatgg tctagtcctc aacaacaaca acaacaacct gctccttcct tccaaaatgc 180
 tgttggtcca agtagaccat acattcctcc tccaatgcaa taacagcaac agcagcaaca 240
 accctagaaa cagcaaacag ttgaggccca gaatcctgac agattacctt ctcaatctgt 300
 ccagaatcct aagaatgtga gtgccattac attgagggttg tganagcagt atcaaggacc 360
 tcaaccagta tcattcttct ca 382

<210> 13679
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13679

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 attggatata tgtttttcat gggaaatata accttcactt ggatgtcaaa aaagtagtcg 120
 atatatagtc attcttttga cttgtaagcc aaaatacgta gcagttgctt catgcatttg 180
 tcatgcaata tggtcaaga atttgttaaa agagttgggc atgtcacaag aagagttgac 240
 caagatcntt gtcgataatt aataagtcag tcattgctct agcaaagaat ccaatgttcc 300
 atgatcgaag caaacatatt gatacccggt accactacat aaaggagagc acaacaagaa 360
 aggatgtaca tgcaggatat gtgaagtctc aagaccaagt agttgacatc ttcaccaagc 420
 cgctcaagca agaagactnt atcaagttaa aaagcttact tggaatgata aatcaag 477

<210> 13680
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13680

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 cattacgagg caaagaagat attatgtcct gttggaatgg aataccaaaa aatacatgct 120
 tgccgtaatg aatgcatttt gtatagacat gagtttgctg aattgtgcaa ctaccctaca 180
 tgtggggtgt cacgctacaa agtgggttct ggcgcttcca gtgaagctgg atccacatac 240
 attgatcggc cagcaaaaagt gtgttggtat cttccagtaa taccaagggt taagcgattg 300

ttngctaattg cagaagatgc gaagaaccta acatggcatg ctgatggtag gaccaaagat 360
ggatngctcc gtcactctgc tgattcttct cagtgggaaga aagttgatc 409

<210> 13681
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13681

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ctactctctc tccttgcgac tatcgactct aactgggctg acaagaatgg gtcagacttc 120
tgacccccac ggatctcgct caagagttcg aagggtgactc tcaacatacc caacttaatg 180
ctactagagg tgatctcaca tgccaaactc atgtctctaa actgctctaa gaggtccagc 240
tctgtaacca tcaaagcaga catttgaagg gatttcctac ttaatgcacg cgctactaca 300
cttgctatac ctgagtgaag gctaagctca aaatcgtgat ccttaaggaa ctctaaccat 360
cttcttttgc tcatgggatg ctctttttga tcaaacaat atgtaaggct cttat 415

<210> 13682
<211> 488
<212> DNA
<213> Glycine max
<400> 13682

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tatcttttggg caagtttgag gggattatac agaacaacac agaagaggat tagagaaaca 120
aatccaatgg cagtgcatt taggtaattg agaataaaat ccatccgagt taattaagtt 180
tgtgaattgt aaggcctgaa gagatatgca ataatgctgt ccttaaatag attattcatt 240
gatatgtaaa gaatgaaaaa gtcaagtgtg tggcaagggg tgaagaggac gtacattaaa 300
atthagggct ctaagtcaat attaataaga caagataagt ttataggata agaattgaac 360
ttgattttct tgcacatatt tgatgaagag gaatgaggag ttttaagtgc ttttaagctcc 420
taaacaaaaa ttagtcttat aattaattag tctaaaaaaa taaaacttgt aaattcttta 480
aagattta 488

<210> 13683
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 13683

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 gagttggagc tgtattgata caacgtgggc accctattgc ttatttttagt gaaaaacttt 120
 atagtgccac cctcaactac accacctatg ataaagagct gtatgcctta ataagagccc 180
 ttcacacttg ggaacattac cttgtttcca aggaatttgt cattcatagt gatcatcaat 240
 cacttaagta cattagaggg caaagcaagt taaacaat 278

<210> 13684
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13684

gctatgctga nacattacaa tagacctcct catcctttta tcaaaatgaa ccacaacaga 60
 acaattatga cctctctagc aacacatcca atccccgatg gaggaatcac cctaattctca 120
 gatggctctag tcctcaacaa caacaacaac aacctgctcc ttctttccaa aatgctgttg 180
 gtccaagtag accatacatt cctctctcaa tgcaataaca gcaacagcag caacaaccct 240
 agaaacagca aacagttgag gcccagaatc ctgacagatt acctttctcaa tctgtccaga 300
 atcctaaaaa tgtgagtgcc attacattga ggttgggaaa gcagtatcaa ggacctcaac 360
 cagtagcatc ttctcatcc gcaaatgaac ctgcccact ttactgtact ctagaanaag 420
 aggatga 427

<210> 13685
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13685

tgctgataat aagggaaaca aactcaccaa tctagtccat atcttgacaa atataaggcc 60

taatgccag tcttgataaa ggaggaatac tggactttca tccactggaa ctctcattgg 120
 cacaatgacc aaaagctcaa agagaagccc aataagcact gggataacaa atatctgtga 180
 ccaaaaaaag atggattaat cacttaaaag caaatacaga tctatgcaaa atcaaagggt 240
 cagccttggg aacatgatca gcaagaggaa tcacccctac ccatatagac agaagtgcag 300
 aactcttcac aagaatgcca caccacttcc ataattggcc aaacaaaacc gaagatctcc 360
 tttttcttat tngctcaatt gagtatctaa ctccagcaac agcagtccag atcacatagc 420
 ttccaatgat aaatgcatac 440

<210> 13686
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 13686
 agcttgaggg acaacttgat gccttgggtct ttctttaact cagcttgcca tgaatcagag 60
 atctgcatct acacctgttg cagcagctcg tggcttatat tcttctacaa atcatgatac 120
 agatctctgt ccttctttgc aacaatctgg agtcaatgag caacctgaag cttatgctgc 180
 aaacatttat aatagaccct ctcaagtagca aaaccaacaa caatataata attatgatct 240
 ttcaagcaac agatataatc cagggttgaa gaatcatcca aatctgagat gggcaagtct 300
 tccacaacaa caacagcctg tcccttcttt ccagaatgct gctgggtcaa gcaggccata 360
 tgttctctct ccaatgcagc agc 383

<210> 13687
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13687

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 cctaggacca tagtgtcaga tagagatgct tagttcctta gccacttctg gaaaacctta 120
 cgggccaagc taggaactaa gtttcttttc tctgctactt gccatccaca aactgatggg 180
 caaacagagg ttgtgaatag gtctatatcc acccttataa gggcttttct gaaaggcaac 240
 cataagtctt gggatgagta tcttctctcat gtagaattct cctataacag ggggttcata 300

gaaccaccaa gcaatccact tttgaggttt tctatgggtt caatcctcta acacccttag 360
acctaattcc tctcccactt gacacttctt ntatacataa agaagaggaa tctatgtcac 420
agtttgtaaa gaagttgctt gagatgggta tgaaccacat agagaac 467

<210> 13688
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13688

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tgaccaaadc ttcaatgcca taaccatgaa tcactctcat ggcaatgcca 120
gtattagtag tatacttaaa gcttattgga aaaaacttat atttcctttc tccattttaa 180
cattggcaat ctcttggcct ttgttatttn tatcatagat aatgcacgta tcttcttcaa 240
ggtgaagata atagcctttc tccatcattt agccaatgct caagagattt tctttatgat 300
ctggaactag taagacattt ttttatgac tctttacctt ctttgtctcc accatgacag 360
agccttttcc tcttgactct accatgggtg catattccat ttgaactttg actttgacag 420
tgctgtcaat ttcctaaaaa tgctccataa tt 452

<210> 13689
<211> 334
<212> DNA
<213> Glycine max
<400> 13689

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atatatcgag actctcgaca ttgaacaacg aaagctctct atatattcaa atgggcataa 120
ctaatacacac agaagtccga ttcacgcgca tattctatgg agacgctcct aattgaacaa 180
cggacgctct caagaaattt aaatggcata acttgcacac ggaagaccga acacgcgcat 240
atatacagag acctcaaatt aacaacggag ctctcgaaat taaacggcat acgtataacg 300
gagaccatta cgccctataa ccagacgctc aaat 334

<210> 13690

<211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13690

atgaaccttg tatccctgtc agatacaata ctatgaggaa ttccatgcaa cttactact 60
 tgcaagacat acaactccac taacttattc attctatacc tcatattcac tgtgatcaaa 120
 tgagcagatt tgggtgagtcg atctactatg acccacacgg aactttgccc accactagtc 180
 ttgagtggac catagaccaa atccatatat atgctcttcc atgcgcatc cggaatctgc 240
 tatggcgtca attctcccca tggtcgtttg agcgtcaacc atatccttct gacatgacac 300
 acatcttgct acatattacg ctacatcttt cttgatgcca tggcaccan aacttctctt 360
 atatcttgga catc 374

<210> 13691
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 13691

actgatgaag atgaattctt tgctacttca ttctctctc taatgacaat agcatcatta 60
 ttggcactga attcctgcga gttggatgcc atcttatcaa tttaaatttat ggcttcagca 120
 cgggtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct ctccatgttg 180
 ctgagtcctt cataaaaaata ttggaggaga aactgctctg aaatctggtg gtgagggaaa 240
 ctagcacata atttttttaa tctctcccaa tattcatata ggctctctcc actaaattgt 300
 ctaatgcctg aaatatctct tttgatggtc gtggctcctg aagcacggaa aactatttct 360
 aataatactc tgttgaggtc atcccatctc gtgatggacc ctggagcaaa ggtatataac 420
 cagt 424

<210> 13692
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13692

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agaatttget acgatcttcg attttaaatt tcgagcgtct caacaagtta cgggactcaa 120
tctaacttcc gagtgaaaag ttattgtcga tcgaatttgc tacgagcttc gattttaaat 180
ttcgagcgtc tcgatataatt acaggactca atcggacttc cgagtgaaaa gttattgtcg 240
ttcgaatatg ctacgagctt cggtttttaa tttcgagcgt ctcgatatat tacgggactc 300
aatcggactt tcgagtgaag agttattgtc gttcgaattt gctacgagct tcggttntaa 360
atttcgaaca tctcgatata ttaagcgact caatcgga 398

<210> 13693
<211> 451
<212> DNA
<213> Glycine max

<400> 13693

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gtttctctcc catgtttcag ttgtgtgtaa cttgtatttt cttcacacat ggggcatgcg 120
tgatgaccct taacactgta accgctgaga ttcccatatg ctgggaagtc attaatggta 180
caaaaaagca ttgcacgcat ttcaaagtgc tccttgcgaa acgcatcaaa cactacaacc 240
ccctcgtccc acaactttct cagatcttca accaacggac ttagataaac atcaatgtca 300
tttcttggct gtcttgggccc cgatatcatc atagacaaca tcatgtattt tcgcttcatg 360
cacaaccaat gaggccaatt gtaaattact tgcagaactg gccatgaact gtgttgagtg 420
cttaaggtgc catatggatt cattccatca c 451

<210> 13694
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13694

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atctacgata ccagaataac tctgatggta gtaatcttta caactggaga gaatatctct 120
nnnnnacaat tccttgtttc tgctgaaacc ctttctactac aagtctcgcc ttgtatcttt 180
ntctaccgtc agattcttcc tttagcctat agaccactt attttgtaac gctttctttt 240

cttctagcaa tttagttaaa gaccatgtct tattcttctt aaggagggtc atctcatcta 300
 tcattgctag ctcccactca atagagtcac tcccctgcat agcctcactg aaatattatg 360
 gctcaccagc atcagttaac aacatataat gcaatgaagg ggaataccta tctgggtgga 420
 ctagaattct 430

<210> 13695
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13695

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 aacaattatg acctctccag caacagatac aatcccggat ggaggaatca ccctaattctc 120
 agatgggtcta gccctcaaca acaacaacag cagcctgctc cttcctttca aaatgatgct 180
 ggcctaagca agccatacat tcttccacca atccaacaac agcaacagcc ccagaaacaa 240
 caaacagttg aggtctctcc gcaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300
 cagaacatgt agtttcaaca agagaacaga gcctccattc agagcttaac tcgccagatg 360
 ggacaattgg ctacacaatt aaatcaacaa cagtcccaga attcttgaca ag 412

<210> 13696
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13696

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 gtagatgaag gaattgtagt tgcttatcga gttccaaatg cttgggttcaa gcatggagta 120
 catgattatg agcatgagaa atagtgggtca aattatcacc acaaagttca ggaatagtgt 180
 gaggaatttt cagcttaaac aacaagggtct gaaatcggtg gacctctaaa gtacctggag 240
 caagggtcca ctacttagct tgagtactgc ttgaaccagc aatgacagtt tgggttttgg 300
 accaccaaga gaccatgctt ggtcctagaa agataaaagc attgaatgta gacctcctgt 360
 cattaggatc cgaggccgaa tgtacatcac aataggcttg aagaataaaa gagaatgaga 420

gggagcnaca agaacatgaa gtctcccatt tcaact

455

<210> 13697

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13697

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aaagttatct agtttcttag tctctcatgg gtttcagcaa tctaactcag accaatctct 120

cttcttaaaa ctactaagt cagtcactac catactcttg gtgtacgtag atgatatcat 180

actcacggtg aacagtatac tggaaatata agatatcacc accctcctgg atcaggaatt 240

caaaataaaa gaccttggcg acttgaagtt ctttctggga ctcgagattg cccgcaccac 300

tgatggaatt catattatgcc aacgaaagta tgccttagac attntattng attcaggtat 360

gctaggttgc aagccacact cgacacccat ggattattcc atgaagttac aaatgaactc 420

aggcaactct ctt 433

<210> 13698

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13698

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aattgccata tatatgttac tatatatnt acctttctaa atttatatat gaatttaatc 120

agttgtaata ataagccaat gtcgattaat agttaattta tgtaatatat gtctaatttt 180

atttaattaa gatgtcagaa atactttttt gcaaatgaaa aaacactata tctgaaaatt 240

aatccaagaa tactgtaaat attatgaact caaacagaat tgttttatat ataaaaaaaa 300

aactgtgatt ntaatagtac ttaatccatc atatgatgca tatatctatg aaactacatg 360

aatatctgca cgtatctata aactctaatt aaact 395

<210> 13699

<211> 457

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13699

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 ttgccccca acttatnntg gggnggatac acctaagaag aatggctaga tgtttgtgat 120
 gaagcaagaa ttgggccggg ttgacaccac cctacactcc acaacacaat gggtttagcag 180
 aaaggaagaa tagaaaaatt atgaatgcgg ttaggagaat actcaaatgc aaggatctgc 240
 cacaaaactt gtggagtgga gctgcttcca ctgatgtgta tgtgctgaat aaaagtgcta 300
 caaaaagact aaatggtgtg actctagaag aagcttggtc aagcatcaaa cccaatgtga 360
 agcatttgag aatttttggg gctatntgct acaaacacat tactagctag ttgagacaga 420
 aactggatga cacaggtgaa ttgatggtat ttcttgg 457

<210> 13700
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 13700

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 cactgggaca tccaagctg actgtgctgt tcttatcatt gattccacta ctggttggtt 180
 tgaagctgga atttcaaagg atggacagac tcgtgaacat gctctgcttt cattcacctt 240
 tgggtgtgaaa cagatgattt gttgctgtaa caaggtaa at tatgtgctgt aatttaaggc 300
 ccttatgtct cctttacatc acacaatc ttcatcctt ttgtgtgttc atatgagatt 360
 aaatagtgtt ctcttctcat tttatacaga tggatgctac t 401

<210> 13701
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 13701

cttgaatgct ctattcaatg gagttgacaa gaatatcttc agactgatca acacttgcac 60

agtggccaag gatgcgtggg agatcctgaa aaccactcat gaatgaacct ccaaggtaaa 120
 gatgtccaga ctgcaactat tggctacaaa attcgaaaat ctgaagatga aggaggaaga 180
 gtgtattcat gacttccaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
 agagaagatg acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatt 300
 tgacatgaaa gtcactgcaa tagaggaggc ccaagacatt tgcaacatga gagtggatga 360
 actcattggt tcccttcaaa cctttgagct aggactctcg gat 403

<210> 13702
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13702

ctttgaatct atgcttggtta tntgatcact ntgtatagta tgacgcacct agttgctcat 60
 gatcctgtga atntaaataa aacaagcgca agctcggaag gtagtcatac ctcacaaaat 120
 atatatattgt atgttttaggt agtgaaaata ccttaaatat gcatgtatgt aaaaaaaaaa 180
 aaaaacactt cacaaaatat atatatgtat gtttaggtag aaagatacct tagatatgca 240
 tgtatgtaaa caaaaaatac ttcacaaaat atatatatgt atgttttaggt agaaagatac 300
 cttgaatatg catgtatata gcaaaaatat ctcacaaaac atatatgttt aggtagcaag 360
 ataccttgga cacgcatgta tatggcaaaa tacctcacan aatatacgta tgtttatggt 420
 agcaaatac 429

<210> 13703
 <211> 364
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13703

agcttccatg agtcangcaa aggagatggc ttgaccctgt cctttgagat ggtcatgatg 60
 gcacctctca cacnnatgtc ccgctatgct tataatatat cgatacgctc taaattaaac 120
 atctaaaact ctcgctnnnt caaatggaca taatatttca tacggatgtc cgattcaggc 180
 gcatcatatg ttgagaagct tgaaattgaa caacggaagc ctatgagaaa ttcaaattggt 240

cataacttta ccacggatgt ccgattctgg cttatcacat atcatgacac tctaaattga 300
acaatggaag ctcttgagaa ttcaaatggt cataactttt acaccgatgt tatattaagg 360
cgca 364

<210> 13704
<211> 351
<212> DNA
<213> Glycine max

<400> 13704

tcaacatcag accacttcca ggtgctggaa ctacttcaca tggacttgat ggggcctatg 60
caagttgaaa gccttgagg aaagaggtat gcctatgttg ttgtggatga tatctccaga 120
tttacctggg tcaactttat cagagagaaa tcagacacct ttgaagtatt caaagagttg 180
agtctaagac ttcaaagaga aaaagactgt gtcatcaaga gaattaggag tgaccatggc 240
agagagtttg aaaacagcaa gtttactgaa ttctgcacat ctgaaggcat cactcatgag 300
ttctctgcag ccattacacc acaacaaaat ggcatagttg aaaggaaaaa t 351

<210> 13705
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13705

cagcttatcc ttatgggttg cctccggact tcactccccg taccgccctc ccnccctccc 60
attattggac atcgcgatg atgttatgac catttgattt tgtctagagc ttccgttgan 120
naannnaagc gtctacatgt attatgtccc cgaatcggac atccgagtga aaactgatga 180
ccattcgaat ttctcgacag cttccgttgt tcaattttga gcgtctagat gagttatttt 240
cccgaatcgg acatccgtgt gaaatgttat gaccattcga atttctgcag agcttatggt 300
gttaaatttc gagcgtctcg atatattatg tccccgaatc gaacatccta gtgaaatgtt 360
atgaccactt gtatttctcg agagctttcg ttgttcaatn tcgagcgtct cgatgatata 420
tgttcc 426

<210> 13706
<211> 430

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13706

agctggaaat tgaacaactg tagctcttga gaaattaaat ggtcatactc ccttctcact 60
 cntatgtcca ttcattgcgca tcacatatag agacgctaaa aaatgaacaa cggaggctct 120
 cctaggttaa aatgggtcata agttttcaca ctgatgtccg atacaggctt atgttatatc 180
 gagacgtca aatataaaca tcgaaagctc tcgagaaatt caaatgggtca taacttttca 240
 ctcggtatgtc cgattcaggc gcatnanata tacagacgct cggaaatgaa taaaggaagc 300
 tcttgagaaa tacagatggg cataactttt tacactgagg tccgattcat gcttataata 360
 tatcgagact cttgaaatta aacatcgggg gctcttgaga aattaaatgg tcataatctt 420
 tcacacggat 430

<210> 13707
 <211> 444
 <212> DNA
 <213> Glycine max
 <400> 13707

gcagctgcat ttgaatttta ccatcaaatt ctcaataata catgttccct ctttcaaaat 60
 tgctatgtga gaaccatgaa gggagagaag tcgaacttcc agatcagagc atctttcttt 120
 tagccaaaca cgatacggat tgtgatagaa acagcataaa ttgtgtagtt cttcatcctc 180
 tggaagatag ccctgcttgt caacacagca ctcaaatca cactgagtcc gggctccgtc 240
 aagacaatgt cagaggcact ccttgctgcg tcggttgcac catacactgc aatgccaatg 300
 tctgctttct tcaatgctgg tgcacgttc acaccatctt cggtcattcc aacaatgggtg 360
 attctatcct ggaacctctt cacaatctca tacttatgct ctgcacatgt agaaaatctc 420
 actcagtttt cttattaacc ttat 444

<210> 13708
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 13708

gctctttcaa ctgcacaagg ctcttaatat ttgaagagta ttcttgtgga atctcttacc 60
 cgacgaagac actgacaaaa acttatcttc tccttattgg acaaagtatg gcaagctggg 120
 ggcaagtaaa ttctcttccc attatacctt ggatgcaact gtgatcatat gcccatatca 180
 tctagatctt gacgggtatt gaagccgtgc ttcgtcttgc cttaaagtgt aaggagctgt 240
 ccaatcacac tgtcacaaac atatttcccc acatgcataa catcaatata atgtctaacg 300
 tctagatcag accagttcag aagatctaag aatatgaacc tcttcttcca tatgcaactc 360
 ttacttttat ccttcttttg ggtctttcga aattcagtat tcaggtattg aaccgctca 420
 tatacctgct caccagtcaa c 441

<210> 13709
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13709

agcttgtcgt cgagatcacc aaaagcagtt gtggcaaaac gagactccaa agcctggagg 60
 agnccnnccc cctncttttg cttgatttgt ttggtgtaag gcatattaga tcntgtctgt 120
 gctattatgt gcgtatttan naaattcttc aactgaaact atatgttcca agtactctat 180
 ctacaatata ccaaaagagc atttagacaa cttagcaaac ataacatttt ctttcaacac 240
 tgtcgaaaca acctatagat ggcataagtg ttcatgccat gtggaactat ataccaatat 300
 atgatgaaaa aacactaaca catatttcct taaagcatgt tggaaagtat ggttcacaaa 360
 cattgaatag aagccggagc attgggttaa ccatatggca ttacaaccac tcataat 417

<210> 13710
 <211> 313
 <212> DNA
 <213> Glycine max
 <400> 13710

acaccactca gatttccata tcgggaaagt cattaatggt acagaaaagc attgcatgca 60
 tttcaaaagt ctcttggaa atgcatcaaa cactaaaacc ccctcatccc ataactttct 120
 caggtcttca atcaacagac ttagataaac atcaatgtga tttcctgact gtcttgggcc 180
 cgatatcatc atagacaaca tcatgtattt tcgcttcata cacaacctat gaggcaaact 240

ggaaattact agtagaactg gccataaact gtgttgagtg cttaaattgc catacggagt 300
cattccatca ctg 313

<210> 13711
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13711

gcttgtgggg acagtaaaga aagaccattc tctggaatac acaatgtcag gcaaaaatat 60
tagcagaaca aggagaaaaa ttgcacctat aaggattacg cgagcaatag ccatgggtgta 120
agagaaggaa tataagaaga ggaggtagag gcctgtgaca agggcaagga tgttgaggca 180
gagaaaaacc gatgtatcgc gctgaatggg gtcaacagaa tgtggttgag gctgtggttg 240
attgagaatt gggatgagta ctagtccaga aattagcaca ggaacaatgg cattgagtaa 300
tagatagaca gtgtcatcat tngtgtttat tgcattggca atgagagtgt acaaagctgc 360
actcacacca ttgaaactaa tgctcaagga taatgcaagg gaacggtttg ccggaaaatg 420
tctgatg 427

<210> 13712
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13712

gagttntccg actatgctct tgtgtggtgg aacaagctac aaaatgagag agcaagatat 60
gaagagccaa tgggtgatac atggatggag atgaaaaaga tcatgatgaa gcggtatgtg 120
ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaacca aggcaacaag 180
gggggttgagg agtatttcaa ggaaatggat gtgctcatga atcaagcaaa tattgaagaa 240
gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat ccgtgatatt 300
gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat ccaagtggag 360
caacaattaa aaaggaaggg agtggctaag aggagtttta cca 403

<210> 13713
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13713

catgcaagct ngaggataga gacttcttaa gctatttatac ttctctctta gagaggctta 60
 ctcaagccaa accccttacc ttcttgataa cagataagct gattaacacc agttgtgatg 120
 gatgcaaccc ctattggtnt aaanttaggg gatagtagct ctgatgttcc caagaactcg 180
 acctttaaga gagctgacat ggtgtttggt actatctggt ctgcgtgccc tcgtaatgac 240
 cttatgactg aatgtacatt tttcctggtg gaattaatcc aaggaaagga tatgtggggt 300
 cctgcttatg atgaagatga tttttgcctg cgctataagt ggtcaaaacc tttcagactc 360
 agtttacata gtaaagctac tcatataatg 390

<210> 13714
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13714

caaaaacttt gtcacccctc tgtaagatag caatgggaat aaagacatca cattctttat 60
 tcatcttacg aataaagaaa actaaattat atttgatggt caaaaaagga aattatcaac 120
 atgccttaag atacaatgta aggcgaagtt ctcttggaat cagcttctca ggatctgtct 180
 cctcagatat tgtatatgag ctaacatntg cctctacttc ccaaacatat tgcttatcgg 240
 attctggact ctttgttgag acaaccacct tcatacaacc aaaaattata taaataccag 300
 atgacacaga tagtactaca gcacacatt tacttttacc aaaatgcata cccgat 356

<210> 13715
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 13715

gaattctact ctaataatth ccatgagtgc tcacgtacat gccaatatta caattcatgc 60
 atagatatca tgaagaacta tataatcatc tgtcatagat attactctct tgaactatta 120

aatatataat gagagattca cttgcttcac tccaagagta taacagcatt gcccatcgt 180
attatattatc tttctataaa tctaagatg aagactagtt acttattaaa taataaaaat 240
aaaagataac tctaacagaa ttatctttgg aataagtga tctctcctct ctttaataata 300
attagcttaa ttgtagttgt gtagttctta ctttatgtct attcataaaa cttagtctaa 360
ttgttgata tattctgttg tggaccggaa tcacatggaa t 401

<210> 13716
<211> 265
<212> DNA
<213> Glycine max

<400> 13716

acaacaacag cttatcctta ctttctagaa tgctgctggt tcaagcaagc catatgttcc 60
ttctcatata aaacaacagt cacaaaaaag acaacaaaca attgatgctc ctctcaacc 120
ttacttataa gagttaacga tgcaaatgac catctcaaat atgcaatttc agcaagagac 180
aagagcctcc attcatagtc taacacataa aatggggcat atggctactc agatgaacca 240
agctcaatcc aaattctgac aaatt 265

<210> 13717
<211> 332
<212> DNA
<213> Glycine max

<400> 13717

gcgtctcgag atattatata ctgaatcga acatccgagt gagatgttat gaccattcga 60
atatctcgag agcttccgat gggcaatttt gagcgtctag atatattatg tccccgaatc 120
ggacatccga gtgagaagtt atgaccattc gaatttctcg agagcttccg ttgttcaatt 180
tcgagcgtct agatgagtta tgtccccgaa tcgaacattc gtgtgaaaag ttatgaccat 240
tcaaatttct cgagagcttt cgttgctcaa tttcgagcgt ctggatatat tatgtccccg 300
aatcgaacat tcgagtgaag tggtatgacc at 332

<210> 13718
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13718

ntcactctnt gaacanatac ccctcagcca aatagaatcc atcttgtgtc cttttccac 60
 aactctcgta aatgggagag aaatattcat ctaaagcata caagtccta atattatcaa 120
 atcttaaaat ttgagctcct aaggagaaaa acaatgtgtg tctcctagag aaggcatcag 180
 ctaccacatt tgtttttccc tttttgtatt tgataacata tggaaattgc tctatgtact 240
 ctaccattt tgcatgcctc ttgtttaact tgctttgcc tctaattgtac ttaagtgtt 300
 gatgatcact atgaatgaca aattccttgg aaacaaggta atgttcccat gtctggaggg 360
 ctcttattaa ggcataaagt tctttatcat acgtagggtg gttgatgggtg gcactgtgaa 420
 gcttttctact aaaataagca atagggtgcc cacctttgta caatacatgc ttaacttcca 480
 ctcttg 486

<210> 13719
 <211> 471
 <212> DNA
 <213> Glycine max
 <400> 13719

agatggcctc agcatattcc ttatctccag aatgtgaatt ctatcaatag acctccaatc 60
 tttaatggag agggttacca ctactagaaa acccgaatgc atatctttat cgatgcaata 120
 gatctaaata tctgggaagc catagaaata gggccttata taccaccac agtataaaga 180
 gtttcaatag atggtagttc atcaagtgtat agcataacca tagataaacc tagagataga 240
 tgggtctatag aggatagaaa acgagtacaa tacaacttaa aagccagaaa cataataaca 300
 tcttgccctag gaatggatga atattccagg gtttcaaata gttagagtgc taaggaaatg 360
 tgggacactc ttcgattaac acatgaagga actacaaatg ttataagatc tatgataaat 420
 gcactaactc atgagtatga agtattttaga atgatgtaaa tgaaatattc a 471

<210> 13720
 <211> 471
 <212> DNA
 <213> Glycine max
 <400> 13720

ttctccttgc ctagcacttc agaaccttct agttgggtca tatagatgtc ttcctctaaa 60
 tgcccatgca agaatgcagt tctaacatct aactgctcca agtgaagatt ctctgcagct 120
 actatgtctca gaataactct gatggtagtc atctttacaa ctggagagaa gatctctgtg 180
 aatcaattc cttgtttctg ctgaaacctt ttcaccacaa gtctcgccctt gtatcttctt 240
 ctaccgtcag attcttcctt tagcctattg acccacctat gctgtaatgc cttcttttct 300
 tctggcaata tagttaaaga ccacgtctta ttcttctgaa gggatgccat ctcatctttc 360
 atcgctagcg tccactcaat agtgtcattc cctgtgtag cctcattgaa acattctgac 420
 tcaccatcat cagttaacaa caaataatgc aatgaatgcg aatacctatc t 471

<210> 13721
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 13721

tactcaagct aacaatcctt gtgatctatt atggaatatt tctatgccta tcacatagct 60
 tacctcatcc atatctttca cttcaaagtt tctagagaga aatttcttag tctcatgaag 120
 aagaccaga tcgttagttg cgagcatgat atcatctata tacagaatta gaaaataacc 180
 ttacgtccac tgaccttcag atacatatac cgataaatag tattgtcctt gatctaaagg 240
 aaacaatggt atattaaacc tcaaatacca ttggcgggaa ggttgcttta agactggata 300
 ttgatttc 308

<210> 13722
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13722

gtatcgtgaa gtgtcgaggg catntacatt ttctgcagaa ggaaagacgc aatcatgtcc 60
 ggggcttcca gctcgcgtgt ttatatcgca cgttcctgaa tggacctcca atgttggtta 120
 ctacaataaa actgagtact taaggttgga gcacgcaagg aatcacgaga ttcgtggatc 180
 tattgctctt cctatatctg atgtgcactc tcaagtgcc a tgtgctgtat tggaactagt 240
 tactacaaag gaaaagccta actttgacag agaattacaa attgtttctc aagcactcca 300

ggtggatttt tctttgtgct acttctagca tatacttcaa tttcttatat tgattctgtc 360
 tggcaaactct gtgttattct attagagatt tggatgtcct attaaaaagg gtatcatgga 420
 gaagttctta ccttgtctga caaacgatgc ttgatttttt atttatatga tg 472

<210> 13723
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 13723

tgccctaatta tcctgaaatt gagagacaat gattattata cacacacagt gaaaatatta 60
 agtattttatt acctctactt aacagaatat acttataaca ttacaaaata accataaatg 120
 gggagagtat gatacaattg atacagatct tatacacgac agttagtctg tttcacccgac 180
 taacattatt cggcactcaa tgagcccttt ctccaatcta atcatcttgg ttgagaagaa 240
 agacgaatct tggcacatgt gtgtgtattt ttttaactctg aacaaggctt gtgtcctata 300
 taggtacctt atcccaacca ttaatgagtt actagatgaa ctccatgttt ctaaattcaa 360
 tgtgaagagt gatcttaaatt cagattttca ctagattcat atgcacgaca gtgaca 416

<210> 13724
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13724

ctcagcttct catatattat gcgcctgaat cagacttccg tttcaaaagt tatgaccata 60
 tgaatntctc cactgtattc cgtgtgacaa gttatgacca tttgaatttc tcgatagcat 120
 tcgctgatca atttcgagcg tctcgatata ttatgcgcct gaatcggact tccgtgtgac 180
 aagttatgac catttgaatt tgtcgagagc ataccnggt tatatttcga gcgtctcgat 240
 atattatgcg cctgaatcag acatccgtgt gacaagttat ggccatatga atntctcgag 300
 agcattcgt 309

<210> 13725
 <211> 415
 <212> DNA

<213> Glycine max

<400> 13725

atgccttgac atttgttggc caagcaattt ctaatgactt ccaccttggc tttatcaact 60
tcaatccac caacaaagat cttgtggcctt aaaacaatgc cttcagttac cataaaatgg 120
catatttccc agttaagtac aagattgggtt tccatacact gctttagtac ggtgtcaagt 180
ttataatgga atgaatcaaa tgaagacca agaacataga aatcatctat gaacacttca 240
atgctctttt caacaagatc cacaaatatg gcaagcatgc attgttgaaa tgtagcatga 300
gcgttacaaa gaccaaagg catcttctctg taagcgaaaa cactataggg gcaagtaaaa 360
gttgctttcc cttgatcttc aggtttaaca gggattcgat tatatactga ataac 415

<210> 13726

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13726

tttcttaatc ttacanatta atgcaataaa tattatattt tgagactaaa atttcttaat 60
taccatttct attaacttta ttaataatta ctattcgcta agaaaacctg actcatcagt 120
gttaatgaag cttctgtct ctttaataat ctccaagact cacttttaag actttgttcg 180
gtgactgatg atatgggtgtt tcttgacgga ctaaaatagt aatttaataa aaaaaactgt 240
tttttaaaga aattactttt tattatcttc aagtgagcca taagtacaag tagttaatgt 300
gtaaattaaa attaaatcat gttagatatt atttaatat aattattaat aaaaacaaat 360
tttaatcaga tttatcttac cttttaccaa attacataac agtcacactc tcattacacg 420
aatttgatt aatactaa 438

<210> 13727

<211> 348

<212> DNA

<213> Glycine max

<400> 13727

atTTTTTTTg aatctactct aatcagtcac acaaaccaca cgacaatgga gaatatacat 60
ggagaataag atcaagaaca aggaattaaa gagaattcac cgaacaaaaa gatagaggaa 120

gcaaaagaac atcacctaga tgaagatgct cttgatacca catgatgtaa gctccatcgg 180
agcttgtagg cctaagatct tcttcatcaa tggattcctt tgcttcttgg aagatgaatg 240
gcagcggaat ggataacgaa gagagagagg agatgccact tcaaggagaa gatgagtcta 300
gaagaagctc accaccatac gagggcattg attagagctt ggatgaag 348

<210> 13728
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13728

tcngtattca atttcgagcg tctccatata ttacatgact cattccgaca tccgagtaaa 60
aatttattgt cgtttgaatt tgctcagaac ttcggtattc aattctgagt gtcttgacat 120
attacgggac tcaatcgcac atcagagtaa aaatttattg tcgattgaat ttgctcataa 180
cttcggtatt caattccgag cgtctcgaca tattactgga ctcaatcgca tatccgagta 240
aaaagttatt gtcgtttgaa ttgctcaga gcttcggtat tcaatttcga gcgtctcgat 300
atattacgtg actcaatccg acattcgagt acaaagtttt tgctgtttga atatgctcat 360
agcttcggtg ttctatttcg agcgtctcga catattacgt gacttaatcc gacatccgag 420
t 421

<210> 13729
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13729

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gtgtatgact tccaaaagca agagagagat attccaagag aatttcattg tcaaacgctc 120
tctcgacaac tcttgggcaa acacttgcaa atctattgag agttcattca ggaacttcaa 180
attggattat ccaactctata ggagcgaaat ctttttgttc ttctcacaaa gtcaattgta 240
atcaagagac tggttgtctc ttgaattgtg agtttcctaa acacaaggga aagggtattcc 300
ttngtgttgc aacagttgta acaaataatt ttacatagat agtggaaaat ctcaagtggg 360

ttgcttgagg actggacgta t

381

<210> 13730

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13730

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caatcagaca tcggagtaaa aagttattgt cgtttgaatt gcctcagagg ttcaacattc 120
aatttcgagc gtctcgatat atttcgggac tcaatcagac atccgagtaa aaagttattg 180
tcgtttcaat tggctcagag gttcaacatt caattatgac cgtcccgata tattacgtca 240
ctgaattcga catccaagta aaaagttatt gtggttgaa ttgctcaaag cttaaacatt 300
caatttcgag cgtctggata tattacggga ctcaatcaaa catacgagaa acatgttatt 360
gtcgnittgaa gttgctctca actacaacat tcaatttcga gcgttccgat atattacgag 420
agtcaatcat acatccgagt aaa 443

<210> 13731

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13731

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gacatgctaa tctttccgat ttagaacaaa ctggtgcaca catttcctta acgtaaaaca 120
tttatgaaca tgcgtatgtg taaactatcc tactatttac ctcaacatac aaggatattc 180
aaaatattct agttactaca catatatata ctgttttgaa aagaatacat atgcacacgc 240
tcaaaatatt gtgtcaagaa tacacatggt catatcctaa gcatttcggt accacaaact 300
acacatttga agtattttat ttaacatata aatctttgct gttttattca cattatttat 360
acacatatgc acatcggaga gccaatctca cgtcacgcac acacttgcac ttgaatagag 420
actttcatgt catctattta cactngaagg gcaatcccac atcatatatc ca 472

<210> 13732
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13732

gaacttttct ttacatgtgc tatgtggctc attctccttt gcaagcaagt aaaatttttt 60
 ggaagttctt ctaatgtaga accattttctc atcaatgaac acaatatttt ccatagactt 120
 aaactntgga tcataaggca tgatcctatc atcgagcatt gacaagaaaa actttaagca 180
 agcaatcatg ttctcaggct ttaaataatgg cttaagtgc tttgaatggc atngtataac 240
 tcttgctntt ngcaatctaa acaatgatgt cgtgttaata ttcaaagcac aagataaaga 300
 ccgaagggtg gtactatgga acttcacata gtctctcacc gtttagttga actctttttc 360
 tttcatagtt ctttgttttg ttatgagaag catcaccac aaccttcaat tgattccaaa 420
 tactaccaat gacacttata ttcacatcgt aca 453

<210> 13733
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 13733

tcttagtttc agatgatgca tatgggtgtg gagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgttgag agttggaggc catcttctca attaaatctc 120
 tggcttcagc aagagtcacg tctccaaggg ctccaccact ggcagcatct atcactcttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgagggca actggcacat aatttcttaa atcgctccca gtactcatac aggctctctc 300
 cattgagctg tctaatacct gagatatcta tcttgatggg tgaggtcctg gaagcagga 360
 aacagctttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcca 420
 ggtaatacaa ccagtccttt gccactccct ctaatgaatg 460

<210> 13734
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13734

tgtatatngt cttattctat acaagaccac ttccatattc ttcctttgca ttggcataat 60
gttcaattac tgtcaaggct tttggagcat ctataacttg ttcaactata ttttgtgcaa 120
catttcgggtt gataagctgc atcaaattctc tctttttcct ctgtattctt tcagcacgaa 180
agtattttttt gggttttcaat tgcttggcaa ctttagtttg tatctctcct ttgacaatct 240
tcttccgtat cgcattcaga gaagccccct tctcaagctc ttctaacaat tctnttcttg 300
cttccctcaaa ttccatctaa ttcaattaag cagtgagtgc cacaaagtat tgtagagaa 360
aatgaaatat gatcgacaat ctaagtaatt aatatttaat actcagcaga agaaagaaga 420
aatcat 426

<210> 13735
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13735

gaagtatagc aatataggag atctgttttg gttgattgat aaggactcaa attntaatca 60
tgggttaagg agttgtacaa ttgatggaga tatattacat tagagggatg cttttgaaaa 120
tgagaatgag ataaattttt attttcatca tgaagtagat ccaattatag aagaagtccc 180
acagatgttg tacttggaat gtcattcaat tccagaccct gttgctggtg agtagaggga 240
tgttgatgtt ggtgagcaaa gagatgctga tgctggtgag tagagggatg ctgatgctgg 300
tgagcagagg gatgttgacg ctggtgagca gatagatggt ggtggtgaag agagagatgt 360
tggtggtggt gcaagcctat tatcaccatg cttgaagaaa ttagaagtta catcatg 417

<210> 13736
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13736

tgagaagcta gagcttagct acattcacc ctctcataac taagctcacc tccctggagaa 60
gcttccttaa gaagattcct aaagaagcta gagcttagct acacatacct ctctaatagc 120

taagctcacc tccttatgat gagaagctag agcttagcta cacaccccct ataataacta 180
 agctcacccc tatggcaaaa tacatgaaaa tagaaaaaaa aaatccctac taaaaagact 240
 actcaaaaata cctcgaaaata caaggctaaa accctatact actagaatgg ccaaaaatata 300
 aggcccaaac gaaggaaaaa cctattotaa tatttataaa gataagcagg ctcatactta 360
 gtccatgggc tcaaaatcta ccctaaggct catgagaacc ctanggcctt cccttggatc 420
 tctggcccaa tctacttggg gtcttcta 448

<210> 13737
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13737

agcttgtaat caattacaca catactgtaa tcgattacca gagatagttt tcagaaaata 60
 ttctcaacag tcacatctnt ttacttgatt cttgaatggc tgtcaaaacc tatatatgtg 120
 tgacttggga cacgaatttg ctaagagatt ttcagaacaa aaaggtctta tcctcttaaa 180
 aagaagaatc gttttatcct cttacaaatt ccttggctaa aacacttggt attcaataag 240
 gaattatttg agtgctcaaa tcgttcaatc tatctctgtc aagagagatt tcttcttttc 300
 ttcttcttca ttctgaaaag ggattaagag acctagggtc tcttgttggt aaagaattct 360
 aaacacaaaag gaagggttgt ccttgtgtgt ttagaacttg taaaaggaat gtacaagata 420
 gtggaactct caagcgggtt gcttgtggac tggacgt 457

<210> 13738
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13738

gcttattagt gcacaactcc ttcaagtatt tagcatatct tagaatttgc tntattgcat 60
 ccagcagagg tatgtttacc tctactttcc taaatgcttn cagatctcct tctctgcctc 120
 ttccattttt ttgttggaaa ttgctcttgg agggaatgga agagggatat gctgcttctc 180
 tttatattca cctgcataga aattggtagg taacttactc ttttaatttt tgtcttcac 240

tttttctgga gtagagtgag gttgggcagg ttcatttgcg gatgaggaag atgctactgt 300
 gtgaggtcct tgatgctgcc ttctgacct caatgtaatg gcactcacat ttttgggatt 360
 ttggacagat tgagaaggta atttatcata attcagggac tgttgttgat ttaactgtgt 420
 agccaactgt cccatctgat tatgtaagct ctaaattggag gctctggtc 469

<210> 13739
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13739

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 gccacatgtc tccgtttgag tggagcaaga agggcccact ttctcttttg attgtgaccc 120
 atactgatgc aagctccatt ggagcttgta ggcctaggat cttcttcac aatggattcc 180
 tttgcttctt ggaagatgaa tggcagcgga atggagaaaag gaagagagag aggagacgcc 240
 acttcaagga gaagatgagt ctagaagaag ctcaccacca taggaggcca tggataagag 300
 cttggaggaa gaaggagatg aatgaaggga gagggagaga agagcacgaa attttgtgct 360
 ctaaattgagc tntgaaatct gaagttaaat attcaaata tcaaagttga aaaaaatgca 420
 cacacatgac ctctatttgt agcctaagtg tcacac 456

<210> 13740
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 13740

agtgaccatg tgaataactc aagagcttcc attgttcaat tttgagcgtc tcgatatatt 60
 atgcgcctta atcggacctc cgagtgaata gttatgacca tttgaataac tcaagagctt 120
 ccattgttca atttcgagcg tctcgatata ttatgtgcct gaatctgacc tccgtgtgaa 180
 aagttatgac catttgaatt tctcgagagc ttccgttggt caatttcgag cgtctcgata 240
 tcttatgcgc ctgaatcgga cctccgagtg aaaagttatg accatttgaa taactcaaga 300
 gcttgcatgt ttcaattacg agcgtctcga tatattatgt gcctgaatcg gacctccgag 360

tgtaatgtta tgaccatttg aattgctcaa g

391

<210> 13741

<211> 211

<212> DNA

<213> Glycine max

<400> 13741

gcctcgctac atatatgcgc ccggctcgga catccgcgtg agaagctatg accatatgaa 60

tatctgcaga gcttccgacg ctgaagtcg agcgtgtcgc tatataattc gccagactcg 120

gacctgcgcg tgagaagcta tgaccatatt aatatggcga gagcttccgc agctcatgat 180

cgagcctcgc taaatatgat gcgccacaat c 211

<210> 13742

<211> 217

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13742

gtgtgatgca ttaattattc atnggtgtgc tgtccttgct caaaataatg atatatagcc 60

tatggtgata tattatgctt ctaggacttt atacgcccc aagcgaatta tactactact 120

gagaaagagt tactagccgt aattgttgct cttgaaagcc tatgttgatt cgatggatgc 180

tctggctcca agagtttgac ttggagatcc gtgatat 217

<210> 13743

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13743

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taatgaatac tctgatatta atagtcttga tttattttcg aattgtaagt attaagagaa 120

atgttaagag aagaaattaa cacaccaata gaagtattga gttatattaa aacttttagat 180

tctttttcaa atgtttacat tgcataataa attntattac tgctgaaaga agtttttcaa 240

aattaaaatt gcttaaatca tatctaaaat caacaatatt ataagataga ttgaatgagt 300

tagttattnt atctattgaa agtgaagtgt tagaattggt tgattataaa actctaataa 360
 atgattntgc agctaanaaa gctacaagat taatataaaa attagtattt tatgtaatat 420
 actaagtctc tctaaaattc ttggtaaaaa tagaccctt taaca 465

<210> 13744
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13744

tanacattca acttcgagcg tctcgatata ttacgagtct ctatcaaaca tccgagaaga 60
 aagttattgt cgtttgaatt tgctcagagg ttcaacattc aattttgagc gtctcgttat 120
 attacaggac tcaatcagac attcgagtaa aaagttattg tcgtttgaat tggcttagag 180
 cttcaacatt caatttcgag cgtgtcgata tatgatggga ctcaatcaga catccgtgta 240
 aaaagttatt gtcgtttgaa ttggctcaga gtttcaacat tcaattttga gcgtctggat 300
 atatgacagg actcaatcag acatccgagt aaaaagttat tgctgtttga attggctcag 360
 agcttcaaca ttcaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 420
 taaaaagtta ttgtcggtg aatntgctca gagcttcaac attcaa 466

<210> 13745
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13745

agctttgaac caattcaaac gacaataact ntttactcgg atgtctgatt gaggcccgtg 60
 atatatcgag acgctcgtaa ttgaatgtga agctctgagc caattcaaac gacaatnaac 120
 ttttactcgg atgtctgatt gaggcctgtc atatatcgag acgctcgaaa ttgaatgttg 180
 aagatctgag ccaattcaaa cgacaataac ttttactcgg gatgtctgat ggaggcccg 240
 atatatcgag acgctcgaaa ttgaatgttg aacctctgag cgaattcaaa cgacaattac 300
 tctgtactcg gatgtctgat tgaggctcgt gatatatcga gacgctcgaa attgaatgtt 360
 gaagctctga gctaattc 378

<210> 13746
 <211> 475
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13746

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 cacaccnct ataatagcta agctcacccc catgacaaaa aacatgaaaa tacaaaaaaa 120
 aagtccttac tacaaagact actcaaaatg cctcgaaata caaggctaaa accctatact 180
 actagaatgg ccaaaatata atgcccagac gaaggaaata cctattctaa tattttacaaa 240
 gataagcggg ctcatactta gcccattggc tcgaaatcta ccctaaggct catgagaacc 300
 ctagggcctt cccttggatc tctagccaat ctacttggag tcttctaccc aatgcccttg 360
 cggtgtagga tagcgtcatt ccctccacct tggacagatt tgacctcaaa tcccagaggtt 420
 cttcatactc tgggctcctt ccctcaacac ctgtaaaaag aacaaaaaca tatgt 475

<210> 13747
 <211> 390
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13747

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 gatggataat gctcacaatg caatcatctt gagtcttaag acaaagtact acgacaagtc 120
 tcgaaggaga agacaacaac tgaaatttgg ttgaaactag aaggtttata catgacccaa 180
 tctctggtaa atcatcttta tcttaaacia gccttatatt catttaagat gcaagaagat 240
 ataaatgtgg aatctcaatt ggatgtcttt aataaactga ttcttgatct agaaaatata 300
 gatgtgacta ttgatgatga atatcagacc ctgttactat tgtgtgcttt gccaaagtct 360
 tcctctcatt ttaaagaaac tctcttgat 390

<210> 13748
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 13748

ctctttccaat ttatggttat ttgttagtgt tataagtatt ttctgttaag tataggtaat 60
aaatacttag tactttccatt ttgtgtgttt aataatcata ttctctcaat ttcagggttaa 120
ttatgcaagc tctgaaaagt gttgtgtttc accttctcgc taagtcaatc tgccttggtg 180
tgggggggccc accgtctaag gcaatacatg ctgagccata ctacctgttt ggtgtccaag 240
atggatccag ttaagtatat gtttgataag cctgccctta cgggatagat cactctatgg 300
caagtgttgc tatccgaatt tgacatcgtc tatgtcaccg tgaaagtgat aaggggaagcg 360
ccttggcata tatctggcca tctatcacca attattatca ccctgcatct atgtttcata 420
taggacatca tggcctatca tggaaaact 449

<210> 13749

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13749

tacctgtgct tccgtacact tcagtttagg atgtgatgca tgcccagcca aatcatgctc 60
catgtattcg aaaacaaggt ataagctgca agacatcctt gatgtaacaa ggccttccag 120
ttttatgaca ttgggatgat caagcctacg tagaatgtga atttcccttg ccatgaagcg 180
aacactctct ggctcaagat tatcaaacct gacttttttc aaagcaacaa tattatittg 240
ctcaagatca cgagccctat aaacattact ataagttccc tgtccaatct gaaaaataag 300
gaggaaaatc ttaccattca aggaaaacta aaacaggctg aagacaatat catcatttaa 360
ttgcaatcca agacaaaaaa naacaaanag gatatttata aatctagaaa ctacaagtat 420
tgtacctcaa tgttgtgtta tctacatcag aggatgaaat caagaatatt aa 472

<210> 13750

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13750

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gatatatcag ggtgttacag agactaaagt agtctcgggtg ttcttttact aagatgtgag 180
cacgcttagc atagaagcaa acctccaaac cgatcagagc agcacatact ttttttttga 240
agaanaacaa tgtgtctact ggagaaggaa agcatgctga tagaactttc tcacaaccac 300
aaatgagatt taggatatta gcatttcggt tctaaatgat catttagagg aaagactggg 360
tccaactgan atagaagaaa atcactcaca gtgtataaat cttacacagg caagtgtttc 420
atcctaattc cgaaccatag atatgttatg 450

<210> 13751
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13751

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aatgcacaag ttctaagtaa cagatacaag tgcattgatgt atagtgttaa acaaatagag 120
acattgagac cgagtctaac ctgcatcttc tgtggtgaaa cacaagggag gtgtaattct 180
gaagacattt ccatagtaac cacccttacc aataagtact cctagttctg tagtaattca 240
gaatgaccgg ttagtaataa tatagaagat aactatagct aggatcaaaa tatgtgtcta 300
gactagaggg atatggatat tacctttcat ttgggtccatt acatgcaatg tttcattttt 360
tgctggagtt gtaagttcac gatcagtgac aagttcaact cctagcatca ggcctctttc 420
tctgacatca cca 433

<210> 13752
<211> 315
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13752

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cctgaagctt atgctgcaaa tatgtacaat atacctctc aacctcagta gctaaaccaa 120
ccacagcaga acaattatga ccttgtcagc aacagataca accctggatg gaggaatcac 180

cctaacctca gatggtccag ccctcagcaa caacaatagc agcctgctcc ttccttcena 240
aatgctgctg gcccaagcag accatacatt cttccaccaa tccaacaaca gcaacaaccc 300
cagaaacagt caaca 315

<210> 13753
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13753

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ccttggcctt ctttgttcta gcccttgtca tacgtctctc aagttcttct aaagggtcct 120
tgcccttagt ccttaccatg tctcatcac tctctccctc ttcaaaagga tttatgctca 180
aatcggcttc tccatctgca tcaaaaagag ttaattcaaa cacattaaat gtagtactca 240
cattatactc accgggcaat tcaatcttga atgcattgtc atttaccctt tcaagtactt 300
gaaatggacc atccccctctt ggttgaagct tggattactt tgctccagaa acctctcctt 360
tctcatgtga acccaaacc aatctccggg ttggaaaaat aaccttttgc gcccttttgt 420
tgcttgctag catagctctc attcctcttt 450

<210> 13754
<211> 188
<212> DNA
<213> Glycine max
<400> 13754

cgctgaatt gtaccatggc gtgcatagtt atgaccatth gaatatatcg agagctctcg 60
ttgttcaatt ccgagcgtct ctatatatga tgcgcctgga tctgacctcc ggggtggaacg 120
ctatgaccat ttgaatttct ccagagcttc cattgttcaa gttcgagcgt ctctatatat 180
tgtgcgcc 188

<210> 13755
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 13755

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caaatacatt cactatgaga atatcattgt ggaatgcact gtagcgctgc gatacaaaag 120
atcctttccac caagacacaa ggacctata agtgtgacta ttccttgttc aataggtgaa 180
gtcacataga gaaaggctct cattgactng ngagccaata tcaacttaat tccactctcc 240
atgtgtagaa cgggtgagaga gttggaaatc atgcccacca taatgacttt acagcttgct 300
gatcgatcca tcacaaggtc ttacagggtg attgaagacg ttctgataag agttaagcat 360
atgggtctctc cagctgactt cgtgggtcatg gatatggagg aagaccatga cgttcccatc 420
attgtaggat ggcccttatg ttaactgcaa gttgagtagt tgacatg 467

<210> 13756

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13756

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ttttat tttgt gatttgtatt ttggttaacaa agcaaata ttaagtctat taccatagat 120
ccattatatg ttgaaatgtc agggagagtt gaaaactcat tcaatataaa cttacgaaga 180
caatattcat aataaataaa ctatctatta atacgataat actttttaat cacatatcat 240
atcttaat ttt gaataaagaa gatatgaaac atattaataa ttaccatctt agtgaacaa 300
taacataaaa atatattaac acaaatccat tttctggatt actcggagaa gtaagccttg 360

<210> 13757

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13757

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tattttggaa acacgtcaat ttctgaaata tatactttat gaaaaacgat tcttaaaatt 120
aattagattg atctcaataa tgcagat ttt aatcta atgc cctttgtttg agtttatctt 180

ttaaataatta aaagatatgt ttaaaaaatg ttgcaataat tgtgattaat ataaataact 240
 taaaagacgt ctccaatgct ttttccatat ttgataacgc acatttataaa tagtttgtaa 300
 caaagctgca taaagaaata cttaattntt aataataaat aaacaagcag atctcanatc 360
 tatcagcgac tggatatagac atcatacata aagagcagac atactatg 408

<210> 13758
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13758

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 cattctctta aagatttatg ctataatatg gcttttgtat ctatgattga acctaaaaat 120
 ataaaagaag ccatagtaga tgataactgg atcattgccg tgcaagaaga actgaaccaa 180
 tttgaaagaa acaatgtgtg gaaattagta gaaaaacctg aaaattatcc tgtcatatgg 240
 acaaaatggg ttttttagaaa taaattagat gaacatggta taattattag aaataaagcc 300
 aggttagtag caaaagggta taatcaagaa gaaggaagag attatgaaga aacatatgct 360
 cctg 364

<210> 13759
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 13759

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 agccaccgca tggttgtgac tccttgaatc caattcattt tgcacccgta cctcattctc 120
 caatctgtca actggagtta aatgtcgtaa ggtgctatct acttctgatt catctttggg 180
 ccgccatgat aactgatitc tctgagcaat ctctgcttca cgttcggatt gccgcttctt 240
 ctttcgcac atcacggttg taaaccgacg ttttaactgtc atgcacacat tgcaggtgca 300
 tgtgggtttg tgtttgccct tcccattggg tggctggata cagacaatgc aagagcacc 360
 acgtctatgc cgaggatggt ttgtggtgct aacaactgat gtcttgccag agtcacttgc 420
 at 422

<210> 13760
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13760

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 attatgttga tgcaaattgg aagttgaata gtaaaatggg taatttttct tattttcctc 120
 ctccacacta ggggcgtgag atggctaaag ttatatatgg tttttttgga agaatggggg 180
 attgagcana aaatattttc attaactcta gatgatgctt cttccaatga taaaatgcaa 240
 gactatttga aggaaagact ttgcatact aatggtttag taagtgggtg tgaatttttt 300
 catatctgat gttgtgctca cattttanac cttaaagtgc aagaggagtg aaagtagtcg 360
 gtccctgcttg taaaaaaatt agtgaaagca ttaagtatgt taagggatca gagggagaat 420
 gaaagtttt 429

<210> 13761
 <211> 477
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13761

gcttaagaat aatggcctca gcaaacttct tattcccaga aggaaactct ataaataggc 60
 ctccctaattt taatggagag ggttaccact actggaaaac ccgaatgcaa aatttcattg 120
 aggcaataga cttaaacatt tatgaagcca taaaagttgg accttatgta cccaccatgg 180
 tggctggtaa tacaacaatt gagaaaccta tagaagagtg gtctgaagaa gaaagaagat 240
 tagtgcagta caatttaaag gctaaaaata tcattacttc tgccctaaga atggatgaat 300
 attttagggg gtcaaattgt aagagtgcta acgatatgtg ggacactcta caagttacac 360
 atgaggggaa aactgatgtt aaaagatcta ggataaatac tataactcat gagtatgaat 420
 tatttatgat gaagacaaat gagagtatac aagatgtgca taanagaatc atacata 477

<210> 13762
 <211> 343

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13762

agctattcta atgaaacaag aacaaagtct cttgtgcacg ttattgaagn tgtgcggcta 60
gctacctggt gttatctact tatacggtag aaaggaaaat gaataaatta atgagataat 120
aagtgaataa taacacatgc ctaatggaaa aattttcttt ctcaaataa gcacttcatg 180
gtagctttct caataccgat ggttggaaat tgctgtgcat acgtcacaac ataaatgaag 240
atctttgcta tctccgattg aaaggtagaa gatgattgaa ttgcgggtcta tatatccttc 300
agcggtgctg ctcgtgctaa aatgtcaaca tcgaccacat att 343

<210> 13763
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13763

ntgagccaag tctttgcaat cctgcctca gttcctcata tgtgattgta ccactattgt 60
cagtgtcgat atttgtgaac attgccttca agccttggat ctcttcttca gaaagattnt 120
cagcaatgac ctaaaagatt atttaaaatc cattcagttt atttttgaat tggtagaaat 180
atgtaccct aaagttacac agactcaagc aatttagagt cataatgagc actggaaaaa 240
tatttatgtc tctcaatggt taattatgcc atcaaataca ataagcataa aagagcattg 300
tgatcacttc atgcagctag tggctggact aaccttgagg gctagtcttt ttagattatt 360
cattgctctg aatngcttat tctggaaagc actgcactgt ct 402

<210> 13764
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13764

tactagctca ctgattactt tgttattgaa gaatatgctt tctgtatata acacattacc 60
caagaatcat tacaaggcga ataagatatt atgtcctgtg ggtatggaat actagaaaat 120

acatacatgc cttaatgatt gtaatttgta tagaaatcac tttgccaaaa tgcgtaactt 180
 tcctacatgt ggggtgtcac actacaaagt gaantttgac aaatgcagtg atacagtctg 240
 atcogatgccg cacctgaatc aaataaacat tataatgcat taactaggaa gtgatcctag 300
 gtcgtttccc aacgagcaat gataaactag atggtcataa cagataatag gaacatagta 360
 acgaattgtg gggggattgt ttgcttttgt gaattaaac 399

<210> 13765
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13765

cgtgtcacac tntcaactgc cgaagctaaa tatatagccg catgaagttg ttgtgctcaa 60
 agtctctaga tgaagcaaca actacaagac tttagagtaa accttgatca cattcctcta 120
 aaatgggaca acacaagtgt tatcaatcta accaaaaacc ctgtcatgca ttttatgact 180
 aagcacatag aaattatgca tattaaatgc atcaagcata gaataacatt ctgtttgtac 240
 aagtatgtga ttcacattgc tattcatatc attttttttg tttagtttgt gtcttagtta 300
 ttgatttatg tgcatactca ttagtttgtt tgaatatcac atgtatttct tagtaatttc 360
 gtgatttctc tgtgtttctaa tagattatgc tcggttctaa tcaactattg tatgatatct 420
 gtttggttaag ttttcaaaac cttctatattt aatcaatata ccatgattta atcgattacg 480
 atngcttaat gtgt 494

<210> 13766
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 13766

agcttaacat atcatcagca tctcttggaa tttatattgc tttgctgtgg ctccgtccaa 60
 taccacttca tctcatttcc aaacacagcc cagttaaaat gctttacaat gaagttaaca 120
 tagtccttgt cgtaaatgat cgttctgctg atgcatgctc caattgggaa atcattatgc 180
 gtttggtataa cttttaccga tgtgttagca tagctgccag agtccagtcc atagaatttc 240
 aggataactt cacgtttacg aatctgcaac ccagcatgtc agtataaatt aaaatatata 300

aaaataatgc gaatcatctc atattccatc aatgaagaat ggatcatgtt atattaagac 360
aaggcactat agtctgaaac atactcagct ttatgtacca tttta 404

<210> 13767
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13767

gctngaattct tctaccgcat ttctgacagc ctatgggtgt gtccagttta agcggttcct 60
aagaatacat gcctcacagt gattaagaat gagaagaatg agcttatccc cacaagagtg 120
cagaacagct ggcgagtctg cattgggttat aggaggctga accacgtgac cagaaaatat 180
cattttcccc tgccattcat tgatcaaatg cttgagcgct tggcaagaag tctcattact 240
attttcttga tgggttttct gggtatttac aaattcatat tgctcctgag gatcaagaaa 300
agaccatatt cacctgttcc tttagcactt tttcctataa gaggatgccc tttgggtctat 360
gcaacgcccc tgataccttc tagtgatgta tgcttagcat tttcagtgat tttttagaga 420
ggtgcatat 429

<210> 13768
<211> 391
<212> DNA
<213> Glycine max
<400> 13768

tctgtagggt taaagtctca tgattgtcac atgctcatgc ttcttttggt agccgtggct 60
atacaagaca tcttgccata caaagtcagg ttagccataa ctgcctgtg cttattcttc 120
catgctatat gtagcaaagt cattgatcct gtcaagtttg ataagctgga aaatgaagcc 180
gcaattatgc tgtgccagtt ggagatgtat tttccccctg ctttcttaga catcatgatt 240
cacttgattg cgcactctgg cagagaaatc aaatgttggt gtctgtgcta tctatgggtg 300
atgtaccggg ttgggagata catgaagatc ttataaggct atacaaagaa tctatatcat 360
ccacaagcat ctattgttga gaggtacatt g 391

<210> 13769

<211> 327
 <212> DNA
 <213> Glycine max

<400> 13769

tataatatat cgtcgcgctc gaaattgaac aacgaaaggt cttgtgatat tcacatggtc 60
 ataactatta actcggatgt ccaattcatg cgcattatat ataaagacgc taacaaatgc 120
 acatcggaag ctctccacat aggaaaatgc gtcatcagtc ttcacactga ggtccgattc 180
 acgcttataa tatatcgacg cactccaaat cgaacaacgg aagctcttga gaaattcaaa 240
 aggtcataac ctctatctct gatgtgcgat tcatgcgcat aatatgtcga tatgatggaa 300
 actgtactac ggaagctctc gacaaat 327

<210> 13770
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13770

tgtatactaa catggataaa tgtgtgttct atttggaacca tgttggtttc cttggnnttg 60
 ttgttatctc acagggagta caggttgatc aagaaaaggt gaaagccatt caagaatggc 120
 caacccccat aactattagt gaggtgaaga gctttcatgg ttaacaagtt gctacacgag 180
 atttgttatg gaatttagta ctatggaagc acctcttact aagatttcca agaaaaatgt 240
 aggatttaaa tgggggggaaa aacaagaaca tgcattcgct gcactcaaag aaaaattgat 300
 gcatgcacca attcctacat tacctaattn tggcagattc tttgaaatcg agtgtgatgc 360
 atctggcggtt gggatatggg ttgtttaatg caagaggaca tccatacct ac 412

<210> 13771
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13771

tctaaactnt atacaagaat gaagctctga taccacttgt tagacattaa gatattacaa 60
 actatntccc caattaaaat tctatttttaa tttcaatgca ngttacaagt tcccttaaaa 120

atgaactatt aaataattat tcaaataaaa caatctgaat ataaatgcaa agcaataata 180
aataaaagag tttaaggaaa gagaaagtgc aaactcagat ttatactggg tcgaccacac 240
ccttgtgcct acgtccagtc cccaagcaac ccgcttgaga gtgtcactat cttgtaaaat 300
ccgtttacaa gttctgatca cacaaggaca atccgttctt tgtgttcaga tttctttaca 360
acaagagacc ctcagtctct ctatctcttt ngacgaatta gaaagatgag aagaataaat 420
ctctcttgaa tagatagaat gacaatttga cactcattaa ttccta 466

<210> 13772

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13772

tgtaggctac atttacaacc atacattggc tgtgaacacc atgaggaaat tcacacaaaa 60
nactgaattg gtgagacatg gagttacaag atttgctacc actttcttaa ctttgcaaag 120
attgcataag caaaaggcca atcttagaag gttgtttact tcagatgaat ggttgaagtc 180
taaggtagct aaagagccca cagggaagca agcaacagat gttattctta ttccatcatt 240
ttggaatgat gttgtttatg ctttaaaagc tatgaggcct cttgtaagtg tgttgaggct 300
ggtggataat gaaaagaaac ctgcaatggg tttcatttat gaagcaatgg atagggccaa 360
aaaagcaatt c 371

<210> 13773

<211> 389

<212> DNA

<213> Glycine max

<400> 13773

agcttcaaac ctcttacaag ggagcagatc tggtaagat ggtacatctt caaactttac 60
atatgaaaga aggtgaagtc atctccgaat gaagaagaag agagtagtca caataattac 120
tcaagacgca agttaattcg atcaacaaag aaagtagtca caataataga agccaacgaa 180
ggcgaggctg tgatggagat cgatgaagag gacaaggcca tggacaagga aaaggatgag 240
gttgagggcc ttatgacgat aactacaact tccaaagagg ttatgggcaa ggcaactgaa 300
gatcgaggta tcacaagtca aatgtgaaat gttacaattg tgagaagttt gattattatg 360

cttctgaatc tagagccctt agcaacaat

389

<210> 13774

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13774

acgagcaata acttttactc tgggtgtccta ttgtattcag taatatatcg agacactnga 60
aatagaaaac gaaaacttgt atcaagtgc taccacaatc acattttaact tgcgcgaaa 120
tatgttgaga tgctcgaaat ttgaaaagaa atttcatagc aaattcaaac gacaataact 180
ctttacacgg atgttcgatt gagtcccgta atatatcgag atgctccaaa ttgataacgg 240
atgctcgaat catattcaaa cgactataac tctctacacg gatgtctgat tgagttccgc 300
aatatatcga gacgctccaa attgaaacgg aagctcctaa caattcaacg accatacttt 360
tactcgat 368

<210> 13775

<211> 319

<212> DNA

<213> Glycine max

<400> 13775

agcttccatt ttcaatttgg agcgtctcga tatattacgg tttgtcttcc ggacatccgc 60
gcataaagat attgtctttt caatttgctc atagcttcag agctaaatat tgagcgtctc 120
taaattattac aggactcaat aagacatctg agtaaagagt tattgtagat tgaatgtgct 180
acgagcttcc gctttcaact tggagcgtct cgatatataa cgggactcaa tcggacatac 240
gcgtataaag ttatatgtcg tttgaatttg ctacgagctt caagtatcaa tttggagagt 300
ctcgatatat ttcgggact 319

<210> 13776

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13776

agctagccgc cagtagtaat ggcggattgc atgttaatta cataccccca ccggaatttg 60
 ttttgaaacg gaccctcttt cgtaaattgt ttttaaaagg aaccccatat agtaaatttg 120
 ccaagaaatt agtggtgtac ccataaaata attttttaaa atgaataaaa atgttataag 180
 agataaaaaa aattgatatt aattatatca ttctatTTTT taattttata gtatcgacaa 240
 tgagaaaatt atataatatt tttgaaaata tataaatgCG taaagaataa ttataatttg 300
 taataatata agtattttga atttctttat catgagatta tatatcttat aacaaattat 360
 aataatcttc ttctataaaa aaatttatat atatctgtac tgaattcagc aaagcataat 420
 atttagaaaa caaataanat agtatctaata atattttatt caagtttttc aaaag 475

<210> 13777
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13777

ntgagccaat tcaaacgaca ataactntnt actcggatat ctgattgagt cccgtaatat 60
 aacgagacgc tcgaaattga atgttgaagc tcttagcaaa ttcaaacgac aataagtatt 120
 tactcagata tcttattgtg tcccgtcata tatcgagaca ctcgaaattg aatgttgaag 180
 ctctgagcca attcacacga caataacttt ttactcggat gtctgattga gtcccgaat 240
 atattgagac gctcgaaatt gaatgttgaa tctctgagca aattcaaacg acaatagctt 300
 ttactctga tgtctgattg agtcccggaa catatcgaga cgct 344

<210> 13778
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13778

agcttcaaca ttcaatnttg agcgtctcga atataacgag actcaatcag acatccgagt 60
 aaaaagttat tgtcgcttga attggctcag aggttcaaca ttaaatttcg agcgtctcgc 120
 tatattacgg gactcaatca aacatccgag taaaaagata ttgtcgtttg aattggctca 180
 gggcttcaac attcaatttt gagcgtctcg atatatgacg agactcaatc agacatccga 240

gtaaaaagtt attgtcgttt gcatttgctc agagggttcaa cattcaattt cgagcgtctc 300
gatatgttac gggactcaat cagacatccg agtaaaaagc tattgtcggt tgaattggct 360
cagagattca acattcaatt tcgagcgtct cgatatatta cgggactcaa tcagacatc 419

<210> 13779
<211> 420
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13779

agcttcta atctcccaca ctntntgagg tgtttcattc ttggatggcc ttgattntct 60
caaggccac ttggacccca tttctaccaa ctacaaacc taagataact atattttcta 120
cacaaaaagt acacttctct atatttgc ataggggtgtt tttcctaagg actgaaagaa 180
cttgtctgag atttcataag tgatcatcta ggcttctact gtacactata atatcatcaa 240
aataaacaac tacaaatcta cctatgaaat cccttaagac atgatgcata agcctcataa 300
aggtgcttgg tgcattagt agcccaaaag gcatcactag ccattcatal aaaccaaact 360
tggtattgaa agcgggtntc cactcatcac tccttttcat cctgatttgg tgatacctac 420

<210> 13780
<211> 280
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13780

ngctaacca cggagctcc taatatctcc cacactgtat gatgtgggcc actcttggat 60
gaccttgatc ttctcaagg ccacgagtac ctcatctcta ccgactacta accctaagat 120
aactatatta tctacacatg aggaactctt ctctatattg tcatagagag agcttgtctt 180
aaagactgac ataacttgcc cgagatgtcc taatagagca tctaagctcc tactgatcac 240
tgaagtatca tcataattat caactgcaca tctacctatg 280

<210> 13781
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13781

tactggtaat gtgtctacta tcattggtat tatatTTTTt tccgtcattg aggtgccact 60
tgagctgcc a ggtctctcca cctttgggCG tattcttttg aaagattcgt gccnccttt 120
tgacatggt ctgtagttgc atcctatctg aagacattat actgacactg cctaacgaag 180
gcaaccacta ggtccttcca agaattggact cgggaagggt ccaagttagt gtaccaggta 240
acagctaccc cagtaagact ntcttggaag gaatgtataa gcaattcctc atcttttgcg 300
tatgcctcca tcttctgata atacatctnt agatggttct tggggcaagt agtccccctg 360
tacttgtc 368

<210> 13782
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13782

cgtctcacga atgtcatgtg ctcatgcaat aattgttagc catggctata cgagacatct 60
tgccaaacaa agtcagggtta gacataactc tgctgtgct tttcttccat gctatatgta 120
gcanagtcac tgatcttctg aagtttgatg agctgganaa tgaggctgca attatactgt 180
gccagttgga gatataTTTT cctctgctn tctttgacat catgattcac tagattgtgc 240
atctggtcag agaaatcaaa tgttgtggac ctgtttatct actgtggatg tacctgattg 300
agcgatacat gaagatctta atatgggtata caataaattt atatgctgta aagcatctat 360
cgtgaaaggt acatggagaa gacgccatga atttggtta 398

<210> 13783
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13783

taatgtatca gaaaggcata atagaactnt aatggatatg gctacgacca tgntaatcaa 60
tttgacttta cccgtatcnt tgtggatgta tgccttgaaa attgtcatgt atttggtgaa 120

tatggttcct agtaagacag ttccaaagac acctttngaa ctgtggacaa atatgacacc 180
tagtataaga cacctgcatg tctgggggttg tchangtanaa ataatgattt ataatccaca 240
a 241

<210> 13784
<211> 317
<212> DNA
<213> Glycine max

<400> 13784
atagggtatac ctccttgcac ataaacatgt aattttcaag gtctgtgaaa tattctgtac 60
aaggggttcaa aaggaaaagg gttttgcatt tcttccatca aaagtgatca tggaattgag 120
ttagagaatg ctgagttcat atcattttgt gaaaggaatg gcattttcttg caacttctct 180
taatctagaa cacctcaact gaatggagta attgataggg aaaataaaaac tctacatgac 240
atgggtacga ccatgctttg ggataactta cttcctaaac acttttgggt agaattagtg 300
atcatagctt gctatga 317

<210> 13785
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13785

agacatggag ttacaagatt tgctaccact ttcttaactt tgcaaagatt gcataagcaa 60
aaggccaatc ttagaagggtg tttacttcag atgaatgggt gaagtctaag gtagctaaag 120
agcccaaggg gaagcaagca acagatgtta ttcttattcc atcatttttg aatgatgttg 180
tttatgctnt aaaagctatg aggctcttg taagtgtgtt gaggggtggtg gataatgaaa 240
agaaacctgc aatgggtttc atttatgaag caatggatag ggccaaaaaa gcaattcata 300
gagctttcaa taacaatgaa gggaagtata acgatatcct tgcaatc 347

<210> 13786
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13786

gccatgcacg atgtgtctgt tntagatgaa agttgtctgc ctctcatcaa taagaccaca 60
tatcacttgt ctactctat ttgctaataa cttagatc accttgatac tacatccaat 120
caatgagatt ggtctgtact catcagatga ctgtgggtgt tctgttctgg gaattacagc 180
tatgaaagaa gcattactgc ctctatggaa gctgccctgc acatggaatt catctacaaa 240
tcttctgaag tcagttttca tcatttgcca aaattcttta atgaatttca agtttaagcc 300
atcatgtcca agacanttgt gccatcaca actgcacact gcttctttga tc 352

<210> 13787

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13787

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cttcgtcaat gattctcttc atgcctctta agtgcagatg tccaaatctt tgatgccata 120
ttntgacttc atcttgtttg gagaatagac atgtggagga gtaactgggt tcttgagggtg 180
tccatacgta aacagtggcc ttgatctgc tgcccttcat taggacttca ctcttctcat 240
ttggcaccaa gcattctgac ttgtgaagt ttacattgaa tccttcatca cacaactgac 300
tgatgctaata caagtctgca gtcagtcctt tcaccagcag tactgtgttc agactaagaa 360
gtccatcatg gact 374

<210> 13788

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13788

aatggcgatg actagtggca cacatgtatg ggcgacaacc cttatcataa gatgaacaaa 60
ggagaaggat agcattgtgg gggacctcca tacagactga gcaggttgca tcttcccaat 120
ctttcttctc caatgcttta gaagagctct tcctaacatt aacatctttc agattttttc 180
ttccacaaga caaagatgt gggcttgccc tgtgacctcg agccttgctc cgcaacttac 240

caactntagc catcaacaaa ctgaacctga aactgatcaa ggaaagacaa tcatcatagt 300
agaatctttt aaaaagcaga gaaattctag cataatanat tanaatgatc attccanaca 360
caatanatca aatgtctaga attgacatga tatcattata cgacttcgta gtaat 415

<210> 13789
<211> 207
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13789

gtataataac catgactcac atgcnctca gaaggcgaat caagacccat aatcctatcc 60
acgggatgca gaatcccagt gtacacagcg acattagcag aagtacaaga ataatgttga 120
acattaacac cccactcggt gaggtgaaga tcaaaagcca acaacgcacg ctggctacag 180
agaaactcaa tctcatcaat gtattga 207

<210> 13790
<211> 235
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13790

ttcgagcttc tcgatatgtg atntgcctga atcggacatt cgtgtgaaga gttataccag 60
ttgaatttct caagagctgt ctgtgtacag gtttgagcgt ctcgatatgt gattagcctg 120
aatcggacat ccggtgagaan agttatgacc atttgaatat ctctagatct tccgttgcta 180
acttcgagcc tctcgacata ttatgcgacc gaatctgaca ttcgtgtgac aagta 235

<210> 13791
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13791

tgtagcanat gcanaccaca atatcttgta gctctgatat ccgactgagt tccgtaatat 60
atcaagatgn ctcgaaatga ctacagaagc tcttagcana ttataacgac aataactntc 120
tactcggatg tccgattggg tcacgtaata tatcgagtcg ctcgaaactg aatacagaag 180

ctaagagcaa attcaaacga caatgactnt taactcggat gttcgatnga gtcccgtaat 240
 atatcaagac gctcgaaatt gtatacggaa gctcgtagca aattcaaacg acaataaatt 300
 tgaactcgga tgttcgattg agtcccgtaa tatatcg 337

<210> 13792
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13792

gaagatggtg tcatccgcan actggagaat attcactggt accttattct tccctaccan 60
 aaagctctga aataagtttc tagacactgc ttccctcatc aaacctgtta acccttcagc 120
 aaccaagaca aataataaag gggccaaggg atccccttgt ctcaatcctc tntgaggctt 180
 aaattcctca gtcggacttc catttacaag gatggatatt gaagctgatg aaaggaagcc 240
 ttttaacccaa ccaatccacc tttcatggaa ccccatctct ctcatcatat aaaataggaa 300
 ttgccaggac acagagtcac aagctntntc gaagtccact ttanacaccg agcaagattt 360
 ctt 363

<210> 13793
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13793

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 tgcagattga gatgggatat atatctgagg ccagacctca agagaggtgg atntactgaa 180
 atggaagagg atcaaattat acagctacat tcatgtctag gtaacaggta tatatgttat 240
 atgttctgaa ttgctttgca cccaaaacac anaaagatgg tagattnttg gacattatgt 300
 gaagaaagcc ttgaaatcaa nggttttaaat tgtggtcgtg ggttcatcac gatccttaac 360
 actac 365

<210> 13794
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13794

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 cattctaattg tgggttatgt cattccatca tggacaatct tatgtttcac taacatatta 120
 ttcttgacct acatataagc aacaaaaaat aaatgatttt taaatataag taaattttta 180
 ctatttttat cttatttaat gatattaata taaaaatatt tttcaattag ttcagtattt 240
 attntcaatg aattttttat tcataatatt aaattccaat gaagagtata ttatganaaa 300
 naattctaaa ataaaaagaa ttaaataata natttacagt tatttaaatt tgtngataaa 360
 tttgaacgtg gagtttcggc ctgcanacac tatccattac tcattagaat cctaattccat 420
 aatgaataaa tatt 434

<210> 13795
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13795

cacccganga agacactgac ananacttat actactagaa tggccataat acaaggctta 60
 taccctatac tactagaatg gacataatac caggcccaga caaaggaata acctattcta 120
 atatntacaa agataagcgg gctcatactt agcccatggg ctcgaaatct atcctaaggc 180
 tcatgagaac cctanggcct tnccttggat ctctagccca atctactnng agtcttctat 240
 ccaatgccc 249

<210> 13796
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13796

cttcactcgg atgtccgatt ccggatcata acatatcgag acgtctctana ttgagcaacg 60

gaagctcttg agaaattcaa atggtcataa cttccacat ggatgtctga ttaagacgca 120
 taatatatca agatgttcga aattgaacaa cgaaagctct cgagaaattc aaatagtcac 180
 aacttttcac teggaggtcc gattcatgcg cataatatat caggacggtc gaaatngaac 240
 aacgaaagtt cttgagaaat tcaaattgggc ataactntta acccgataa cggatttaga 300
 aacatcacat atagagaagc tcgaaatgaa caacggaagc tctcgagaag ttcaaattggg 360
 taaaactntt caacggaggt cccattcggg cgcataatat atc 403

<210> 13797
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13797

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 tcaacattta gttatttgaa ggaagaaaaa tattctacgt tttgtatcac tatattagtc 120
 gtattgatca atagttgttt atatatnta ataaaatgaa taacttctca ccttanaaat 180
 aatttaaatt atttntaata tttaattgta catattaaat taatatgaag aanaaattat 240
 tanataaaat aaatataaaa atttacta atttaatat actatctatg cacaaatnta 300
 tttattttta taattagnta ctgtaaaata tttttctgga aaaattaaat taaattcatg 360
 actctaaagt tataaaataa tataatataa tatgaaaatt anaaaaatat atcaaacata 420
 gatatatata tatatatata tatttagtta tgtatatcta tatctatata tatatttata 480
 tatatatata tatctatata tatatatata tat 513

<210> 13798
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13798

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 tgatgagcct atataatata acctatgcta tntagtgga aaaaggatat gagactaaac 120
 tactgggttat taaactntat ccctaagtaa caaggattgc tagggattta taaaagcata 180

aagctcagaa gtgtgccttg gtgacttggt ggtcatgagt tcgaatccgg aaacagcctc 240
 tttgcatatg caagggtaag gctgcgtaca acatccctcc cccatacctt cgcatagcaa 300
 agagcctccg ggcaatgggg tacgaagttt ataaagctca gaagtaatac tgtcccaaaa 360
 tcttaatttg acagaaaatt atccattgat gcaaatcaag atacattaac tat 413

<210> 13799
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13799

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 agcccttggt atgtgttaag gaggttgagc taagcgtgcc ttgctgcact aagctctggt 120
 ggatcaagtg gcctcggaat aattaagaag ggggggttga attaattatt aacgaacctt 180
 tactaattaa aaatctatcc ttcttaatgt taccaaaagt aaaagcaata ataaactgca 240
 caacaaatat taaagagtgt agggaagaag aaacaaacat aagagtttta tactggttcg 300
 gcaacaaccc gtgcctacat ccagtcccca agcgacctgc ggtccttgag atttctnttc 360
 aaccttgtaa agtcctttac aagcaaagat ccacaaggga tgta 404

<210> 13800
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13800

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 atgaatgaga cgtgaatgta tcaaacaaac gaaaccatta ttgagaagta tggcaatgca 120
 ctcgatgatg acaaacttcc aagagaactt ctgctgggcc aaagtgacaa gcaagatgag 180
 tctgatcgtg cangtataat tattaagggc catgtaagat atgcattcta aatctttacg 240
 gtgcagcata tgtatataaa tcttaaatat tcttcttgag agtgatttgg cagtgggatn 300
 tcatacatga tctagcaaca tatt 324

<210> 13801

<211> 251
 <212> DNA
 <213> Glycine max

<400> 13801

ctcaactatg cggcaatatt acaatagacc tcctcgacct cagcagcgat atctaccaca 60
 gcagaacaat tatgaccttt ccagcaacag atacaaccct ggatggatga atcaccctaa 120
 cctcagatgg tccagccctc agcaacaaca atagcagcct gctcctgtct tccaaaatgc 180
 tgttggccca agcagaccat acattcctcc accaatccaa caacatgaac aaccccagaa 240
 acagccaaca g 251

<210> 13802
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13802

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 catctaanaa ctaagctcgc ctcttgaga agctagagct tagctacaca caccatcta 120
 aaaactaagc tcacctcctt gacaaaatac atganaatcc aaaaaaaaag tccctactac 180
 aaagactact canaatgccc tgaaatacaa ggctaaaacc ctatactact agaatggcca 240
 aaatacaagg cccaaaagaa ggaaaaacct attctaatat ttacaaagaa gagtggatcc 300
 aaccttgacc catgggctca naaatctacc ctaaggctca tgagaaccct anggccttcc 360
 cttggatctc tggcccaatc tacttggagt cttcta 396

<210> 13803
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13803

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 ctantttcag attgtgaatg cctcttacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggagaata 180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctctgac 240
 tgctgccctt cattaggact tcactcttct catttgcac caagcattct gactntgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttc gcagtcagtc 360
 ccttcaccag cagtactttt gtca 384

<210> 13804
 <211> 193
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13804

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 tcactcggat gtctgattca cgcgcataat atatcgagac cctcgatatt gtacagggaa 120
 gctctctgcc aaatcaaacg accataacat ttgactcgaa tgtatcatcg acgcncacga 180
 tatttcgaga cgc 193

<210> 13805
 <211> 248
 <212> DNA
 <213> Glycine max
 <400> 13805

actattcaca cggatgttcg attatggcga atcacatatc gagacgctaa atattgaaca 60
 gcggaagctc tcgagaatat caaatggtca ttaactttaa cactgagttc cgattcagga 120
 ttataatata tacagacgct cgacataaac attggaatgt ctcgagaaat tcaattgggt 180
 atcactcttc acacggatgt ccgattccgg cgtataatat gtctacacgc tctatattga 240
 acaaccga 248

<210> 13806
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13806

tgatgtntgt gttgaatgca ttaaaggtaa acagaccaaa agcaagaaat taagtgcaca 60

tagggctaca gacgtcttgg aattgataca tatagacatt tgtggggccat ttcatacacc 120
 ttcattggaat gatcaacaat attttatatc attcatagat gattactcta gatattgctga 180
 tgtgatcttg actaggagcg gatcgcttga tacaggctac agagaatttg gatgacgtca 240
 cttccagtga aggaagataa gtcagggtag acgccacaag gattaccttg ataagtctga 300
 gattgggttca acaaggaacc caaagagaag ctctcaccaa attntatgaa aattccaata 360
 gtcctttcat tgaaaacaaa aaccaatact tatagtgtat ctgaacaaaa agataaaaaat 420
 agacatgggc cttcaaaaca gtttgggcca aaanaattat atataaaaaa atagaacata 480
 tttattat 488

<210> 13807
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13807

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 ataggttgga cctcccagat gattatggaa tcaacaccac ttttaacatt tcttatttaa 120
 ttccttttgc aggtggagct gatattgagg aggaggaact aacagatttg aggtcaaatac 180
 ctcttcaagg ggaagggaat gatgcaatcc tccctaggaa gggaccagtc actagagcca 240
 tgagcaagag gctccaacag gattgggtta gaactgctga agaaggcctt angattctca 300
 tgaacctcaa ggtaaatttc ttagcccatg agctaagggtt ggggtccaatt atctttgtac 360
 atattagact aggatgtcat tatatntggc ccttgtattt agggctccat aatgtaggta 420
 gggtagccta gaagtat 437

<210> 13808
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13808

agctnntaca aaaaaccaca cttatgcctt agtttctctg ccaccaaga ggaaagttgt 60
 ggggttgctag tgggttttca taatcaaaga aaatccagat gggttcagtca acaagtataa 120

aaccatttta atggctaaag gctttcatga agtagttggg ttgatttta atgaaacatt 180
 ttctcctatt gtcaagcatg taactattag aatagttctt gcttttgcca tcacttatca 240
 gcaggagatt tttcaattgg gtgttgataa tgcattcctc aatgggctac ttgaagagga 300
 tatctttatg caacaacctt ctggttctga gcatcaaaat aagacattag tctgcaaact 360
 caacaaggca ctttatggtc ttaaact 386

<210> 13809
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13809

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 ttgtgataaa ggtagtgttg ccatgttttc aaagcccgt aagggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caacgcaagt atggggacat tagtttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc caattgaaac caacattttt cttgagcact 360
 tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa atcgtctata aaaacttgct 420
 aagccatgaa aactcctcac ctcggtcaca 450

<210> 13810
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13810

ggcttctaca tctntggcaa ggcattgcat cttcctgtat agagcacana gcctactggg 60
 ctgtaaagac ttgcaacttc tctatggacc aagctagaga agaaaggaag ttgcaactaa 120
 gtgagctaga tgagatccgt ttagaagcct atgagaattc caaattctac aaggagaaga 180
 caaggaagtt ccatgacaga ttcatagcta agaaggactn tgtggttgga caaaaagttt 240
 tattgtataa ctctaggtc ggactcatga gtggtaagtt aaggtcaaag tggattggtc 300

cttttgtggt gactaatgtt tttccttatg gtacagctga gatcaaaagt gaatccacag 360
 atacaagctt caaggtcaat ggacaccaac tgaaccatt cctcacaat cctccttag 420
 tggatgtagt ggtggaggag acctccttac ttcaccctac ttctttctca ccatgactc 479

<210> 13811
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13811

ngaatcatgc agccactnnt gctttcaatc cactgcttaa atatccaaaa tacacctgca 60
 acttctgact tagacttgag aaagtaaate caacacattc tagtgaaatc atctataaag 120
 atgatgtaat atttactttt ttttaagcaa gtagtccttt gaggttcggc caaatctgtg 180
 tgaatcaatt gcagcttctc tgttgctctc caggttgatt gtttgaaggg taatcttgct 240
 tgcttgccat attggaatgc ttgacaacat ggtaatttag aatctaagtg aggtaagcca 300
 tgaaccaact cctttcggtt catgttcaac acagttgcat gatgaaaatg gtctaactct 360
 ttgtgccaag cttctgtact atttacagta gctggatagg ctgcttgctc ctacttcagt 420
 ggggttaaatg agaaaatttt gcctctcact ttgatactga aaatttcctt gtcattgaca 480
 tctttaatca aacagtgtt at 502

<210> 13812
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13812

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 cattaagaat tagctctttt cttcctctat tgccttttagt tgaatacacc ttttttgggt 120
 tctctatata gttcttaacc ctctcatgta acttctttat aaactctaac cttgattccc 180
 cttctttatg tataaaagaa gtgtcaagtg ggaggggaat gaggtctaac agtggttaggg 240
 gattaaacct atagacaacc tcaaaagggt actgcttggtg tgggtctatga acccccgtgt 300
 tataggcaaa ttctacatga ggaagatact catcccaaga cttac 345

<210> 13813
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 13813

acggaagttc taagacaagt cagacgacaa taacgactga ctcggatgta cgatatagta 60
 tcgtaatatata tcgagacgct cgtaattgaa aacagaagct ctgagcacat ttaaaccgaca 120
 ataactttttg actcggatgt ccgatttgtt cccataggat atcgagacgc tcgtaattga 180
 aaacggaagc tctgagagaa atcaaatgac aataactttt aactcggatg tccgattgag 240
 ccttgtaata tatcgagacg ctcgagattg taaacggaag ctctaagaaa agtcaaacga 300
 caataactttt tgactcggat gtccgatata gtctcgtaat atatcgagac gtcgtaatt 360
 gaaaatagaa gctctgagca aattcaaacg acacataact ttgactcgga tgtccgattg 420
 tgtcccgtat gatatcgaga cactcgt 447

<210> 13814
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13814

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 ttaaaagtta ttgtcttttg acttttctta gaacttccgt tttcaattat gagcgtctcg 120
 atatattaat aggtcaata ggacatccga gttaaaaactt attgtcgttt gattgttctc 180
 tgaggatgcy ttttcaatta cgagcgtctc gatatgctac gggactcaat tggacatccg 240
 agtgagaagt tattgtcggc cgaattctct ataacatctg tgttcattac gagcatctcg 300
 atatattatg ggactcaatc ggacattcga gttaaaagt attg 344

<210> 13815
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13815

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ggagaaatga atcccttcta cctcaaaaat caagaagtag gtggataaag gaaggtgatg 120
gtaatacaaa gttttttcgt ggtgtcataa attggaagag aaggaagaac aacatcaaag 180
ggatttccat caaaggaaga tgggaggagg aaccaagact tgtgaagaaa gaggtgttgg 240
aattttatca aaaaatattc tatcaagaag catggatgaa accatgactt gatggcatgt 300
ccttcanaca cttgnngggtt ggtgacaatg attcactttg ttgttgtttt aatgaatggg 360
agataaaana ggcaatgtgg aattgtgaag gtgataaaag tcatggtccc gatgggctca 420
attataatct tataaagaga tattangaca ctatg 455

<210> 13816
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13816

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atgaaaagtt atgaccattt gaatttctcg agagctacct ttgttcaatt tcgagcgtct 120
cgatatatta tgcgcctgaa tcggaccccc gagtgaagaa atatgaccat tggaatttct 180
cgagagcttc cgttgttcaa tntcgagagt cttgatatat tatgcgcatg aatctgacct 240
ccgagttaaa agttatgacc agttgaattt ctcgagagct tccgttggtc aatttcgagc 300
gtctcgatat attatgcgcc tgaatcggac ctccgagtga aaagttatga ccatttgaat 360
ttctcgagag cttccgctgt tcaatttcga gcgtctcgat atattatgcg cctgaatcgg 420
acctccgagt 430

<210> 13817
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13817

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ggttgaaagg ctcatgattg aacctttata ttgtatcttt tggttggtgcaa cttcttctct 120

aatccttgtc atttcttga ctttatcaat gatttcaagt tccaccctca tattttcttc 180
 atttttttgt tgctgaaata atagtctcta tgctgatgat accccacctt ctatggggat 240
 catggtgtct gtgccatatg taagttggta atgagtttca ttggtggctg tttaggggtg 300
 acaatggcac gcctagagta tgtttagag ttcttcttc cataagcctt tagacttgtc 360
 aagtctagta cgcagggccc tgagaatgac tcgattagtt gcctctgcat gtccgttatt 420
 ctaaggatgt tcaac 435

<210> 13818
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13818

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 taaatagtta ttgtcgtag aatttgctca cagcttctgt tctgaatttt gagagtctcg 120
 atatactacg gaacacaatc ggacatctca gtaaatagtt attgtcgttt gaatttgctc 180
 agagcttctg ttcttaatta cgagagtctc gatatattac gggattcatt cggacatcca 240
 agtaaaaagt tattgccgtt tgaatttgct caaagcattc gttgtcaatt acgagcgtct 300
 agatatatta cgggattcat tcggacatcc gagtaaaaag ttattgtctt tttattctgc 360
 tcatagcttc tgtttcaatt tcgagcatct tgatatatta caggactcaa tcggacatcc 420
 gagtcataag ttattgtcgn ttgaattngc tatgagctat cggtttcctt acgagcatct 480
 aatatgcta 489

<210> 13819
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13819

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 aagttatctt ttccattatt caatacaaaa catttacaac caaagatatg aagatgtgag 120
 atgtttggtt ttctgccatt gaacaattca tatggagttt tctttaaaat gggcttatt 180

aaagccctat ttaaaatgta gcatgcagtg ttaatggctt cagcccaaaa gtattttgga 240
 aaaggagtat catttaataa agttctagca atctcttcca aagatctatt tttcctttca 300
 acaacaccat tttgttgagg ggttcttggt gcagaanagt tatgctcaat cccatgctta 360
 tcacaaaata attcagattt nttattttca aactcacccn catgatcact cataatagat 420
 ataatcatta gattntttctt attttgaatg agttttgcaa gtnttctaaa tgcttgaaat 480
 gcatcattct tatgagtga 499

<210> 13820
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13820

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 taagttctga ttttctgatt gtagaatttc atctttaaac tattactctt gttggatggt 180
 tcaactaaat gtgaacgata atttttaaca ggaaaatccc gccagggcca atggacatat 240
 ttttaatgtg ggaaacccaa acaatgaggt tatagttagg cagcttgctg aaatgatgac 300
 tcangttaga ggattaagtt tgattgtttg atcctattag aatttcaaca tggattttgg 360
 gaccattcaa cattttattt cgttcaattc tgcaggntna ttcaaaggta agtggagaag 420
 cacctctgga ataaacctat attgatgtga 450

<210> 13821
 <211> 489
 <212> DNA
 <213> Glycine max
 <400> 13821

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 tgggttacca agttgaccaa cgcattcagt ttgccttcaa gcttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
 ctaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc aacaggggtc 300

atgtctccaa gggctccacc actggcagca tctatcatatc ttctctccat attactgagt 360
 ccttcataaa aatattggag aagaagctgt tctgaaatct gatgggtgggg gcaactggca 420
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 cctgagata 489

<210> 13822
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13822

agcttctata ttgcatgtcc tagttggccc tgacttctcc gttttntttt aattgtggat 60
 tacagaatth ggatagggca attgaccaca aggcatgtca tgataccttt tctacatttg 120
 gaaatatact ttcgtgcaag gtagctacgg attcatctgg gcaatcaaaa ggctatggct 180
 ttgttcaatt tgataatgag gaatctgccc aaaaagctat aaagaagctg aatggatatgc 240
 tgttgaatga taaacaagtg tacgtgggac ccttccttcg caagcaagag agagaaagtg 300
 ctgctgacaa ggcaaaattc aacaatgttt ttgtgaagaa tctatcagaa tcaaccaccg 360
 atgatgagtt gaagaacact tntgggtgaa ttggaactat tactagtgtc gtagtaatg 419

<210> 13823
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13823

agctngtctt caacatataa atcaaaatct attttctgat cttctatgcc cagctacagc 60
 ttctttctcc ccatatcaac tatgcagcta gcagctaaca tgaatggcct cccaatatt 120
 accggaatgt cattatcttc acagatatcc attaccatat agtctgtcgg gaaaataaaa 180
 ctgttcactc tgaccagcac atctncaatt actccatatg gtctgggtgat ggagcggcca 240
 acaagttgta aagtcattct agtgggcatg atctccaact ctcccaacct ttgacacatg 300
 gagagtggaa ttagttaata ct 322

<210> 13824
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13824

ctaagcttca actngcacan aggagttgag caggtaaaaa agattcgtct tcaaactctt 60
 agaggtgact ttgagcggtt gtttatggag gaggccgagt caatttctga ttatttttct 120
 cgagtattgg ccgtagtcaa tcaacttaaa agaaatgggtg aagatgttga tgaggtgaag 180
 gtcatggaaa aaataacttcg aactttaaat ccaagttttg acttcattgt taccaacatt 240
 gaagaaaaca aggattttaa gaccatgact attgagcaac tcatgggttc cttacaagca 300
 tacgaagaat aacaaaaaag aanaattaaa caaatgagg ctacggagca actactacaa 360
 ctcaacgtaa aggaagcaaa ctatgcaaat tacaagagcc aaagagga 408

<210> 13825
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13825

ntacaacana tgccactnta ctccaagtn taaaaggata tgtaacaag gacacacaag 60
 tatattcacc aggaaaacat tggttgaggaa ggaaattgta gtgttgatg tcaaaagatc 120
 cttccacca agcataaaga ccctgtgagt gtaaccattc cttgttcaat tggagaagtc 180
 actatggaaa ggcacttatt gatctgggag ctagtattac cataatgcca ctctccatgt 240
 gcagaagggtt gggagagttg gagatcatgc ccactatgat gactttacaa cttgttgacc 300
 gctctattac cagaccatat ggagtaactg aagatgtgct ggtagagta aaatatnta 360
 tottctggc agactntgtg gtaatggata tctgtgaaga taatgacatt catgtaatat 420
 tgtgaaggcc attcatgtta actgcaagct gcatagttga tat 463

<210> 13826
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 13826

aatttcgagc gtntcggttat attacggggac tcaatcagac atccgagtaa aaagttattg 60
tcgtatgaat tggcttaaag cttaaacatt aaactttgag cgtctcgata tattactgga 120
ctcaatcaga cattcgagta aaaagttatt gtcgtttgaa ttggctcaga ggttgaacat 180
tcaatttcga gcgtctcgat atattatggg actcaatcag acatccgagt aaaaagttat 240
tgtcgtatga attggcttat agcttaaaca ttcaactttg agcgtctcga tatattacgg 300
gactcaatca gacatccgag taaaaagtta ttgccgtttg aattggctca gaggttcaac 360
attcaatttc gagcgtctcg atatattacg ggactcaatc agacatccga gtaaaaagtt 420
attgtcgttt gaatnggctc ataggttcaa cattcaattt cgagcgtctc gatataattac 480
tggactcaat cagacat 497

<210> 13827

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13827

canattcaaa cgaacaataa cttttatctc ggatgtctga ttgagtccag taatatatcg 60
agacgctcga aattgaatgt tgaaactctg agccaattca aacgacaata actttatact 120
cggatgtccg attgagtgc gtaatatatc gagacgctcg aaattgaatg ttgaacctct 180
gagccaattc aaacgacaat aactttttac tcggatgatt gattgagtgc cgtaatatat 240
cgagacgctc gaaattgaat gttgaacctc tgagccaatt caaacgacaa taacttgta 300
ctcggatgtc tgattgagtt ccgtcatata tcgagacgct caaaatngaa tgttgaagct 360
ctgagccaat tcaaacgaca ataactttnt actcggat 398

<210> 13828

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13828

ccctgagaga tntagtgaac atgtcctcca gttggtcact agagttgaca aactcaatgg 60

tgatttttcc tgagagcact ttctctctca caaatgaca gtcttctact gtgttttagtc 120
 cattcatgga agaccggatt agatacaatg tggagaacgg cttgattatc gcaaataaga 180
 ttggtggctt gagtgtctcc aaattggaac tgctggagaa gtttccttag ccatgtaatt 240
 tcactttag ttgcaggcat ggcacgggat tcagcttcag cactggatct agtgactata 300
 ttttgtttct tgcttcccca tgggatcaaa tttcctcata taagaacaca ataaccaatc 360
 atggacttcg tggctgatgg tgagtctgcc taatcagcat cagagtaaaa canatgatct 420
 tg 422

<210> 13829

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13829

tactactctn togtcttggt aggggtgtca caactcattg tgtctcatta acccagtttg 60
 tttcaagggt aattntgatg cgttcagggt taaaattaga ctctgtatct ttttaagatag 120
 atttgagtta tgttttgagt catctcaaca tgcattgagt gatgtcttat ttttgtttaa 180
 aaagtattga attttaaata attgtacatc aataataaaa aaaaatattg atagataata 240
 ttttgtgtac ataattattat atttaattat gatgatnta ttttaatat aatatacatt 300
 gtaaaatata ttttaacttt ttttaaccaat atgttagttc gagtcgtgtc gagcaacta 360
 gtttgttata taacaaaata tgagaatttg agagtaggtt ttgaagaaat aagtacaaga 420
 ttactctgaa gtnttacctt aaaatattat tttatccaag tacatgaana ggaaaagttg 480
 tactcctata agtct 495

<210> 13830

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13830

tatgttgcatt atattacaat agacctctc aactctcagc atctnaatca tccacaacag 60
 aacaattatg acctttccag caacagatac aacctggat ggaggaatca ccctaacctc 120

agatgggtcca gccctcagca acaacagcag actgctcctt ccttccaaaa tgctgctggc 180
 ccaāgcagac catacatatc ttcaccaatc caacaacagc aacaacccca gaaacaacca 240
 acagttgagg cccctccaca acctatcttc gatgaacttg tgaggcaaat gactatgcag 300
 aacatgcagt tacatcatga gaccatagcc tccattcaga gcttaaccaa tcagatggga 360
 caattagcta cccaatngaa tcaacaacag tcccataatt ctgacaagct gcctttctcaa 420
 gctgt 425

<210> 13831
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 13831

tgctcattac ttttctactca gaagtccgat tcatgcgcat cacatataga gacgctcgaa 60
 attgaataac ggaagctctc gagatattca aatgggcata acttttctact cggagggtccg 120
 atttatgcgc atcacatata gagacgctcg caattgaaca acggaagctc tcgagatatt 180
 aaatgggcct accctttaac tcggaagtgc caatcatgca cattaaatac cgagacgctc 240
 gtaattgaac aaaggaaggc cttgagcaat tcaaattgggc ttaacttttc actcggaggt 300
 gcgaatcaag cgcattacat atagagacgc ctgcaattga accacggaag ctctcgagat 360
 attcaaatgg tcataacttt taa 383

<210> 13832
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13832

atatattcaa tatattntat atgttntatt tatgttcatg tttatatattt gataaatgaa 60
 taattctagg tagtataagt caatatattt gatattctttt atttatgtac atgtttatat 120
 tttgataaat gaataatttt aggtagtata agataataat tttgtatagg gctctttgta 180
 ttgttaatgt tatatatgct agattatatt ttgataaata aatagttcta ggtagtataa 240
 gattatagtt tgaattgtta atgttatatg gtagattaga tttaggttta tatgataaat 300
 tangaatact tttacatact ctaagttatt aattttatat ggtagattag gaatattttt 360

aattatgata tggtagatta agtttagttg gaaatttcct tataatagat tagaaataat 420
 tatagattag ctttagtcta aatgttgtat atggtagaat acattta 467

<210> 13833
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13833

ctgatagcga tgccatttta naaccagcca aacactcctg ttggacctga tctcaaattgg 60
 agatactttt ggaggatcgg tcctcgaccg tcaaatactc gttttcaggt ctcatgcttt 120
 ctcttttttctt ttatccgtaa gacatttgct ctagttctta aacctaattg ttattataaa 180
 tgtacaggaa cttaatgctg agccagtaat acctgaaggt ttcctgaat ggaaagaaac 240
 tatggattcc tgnngataca aaatgatagc agcaattgaa gtcagtcatt ntttttcatg 300
 ctattttctaa tgtgtggtga tctaaatgtg catatttggt cttaggtggt tgctgaaatg 360
 gcagctattg ggtttggtct tccaaaggat gcattcactt ctcttatgaa gctggtgagc 420
 acatc 425

<210> 13834
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13834

agcttatgct gcanatattt acaatagacc tctctaacct cagcagcaaa atcaaccaaa 60
 gcagaacaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
 cctcagatgg tccagccctc agcaacaaca gcagcctgct ccttccttcc aaaatgctgc 180
 tggcccaagc aaaccataca ttctccacc aatccaacaa cagcaacaac ccagaaaca 240
 gccaacagtt gagggccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat 300
 gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat 360
 gggacaatta gctaccaat ngaatcaaca acagtcctag aattctgaca agctgccttc 420
 tcaagctgtc canaaatcca aaaat 445

<210> 13835
 <211> 493
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13835

ggatgcctcc taccactgtt tatgatgcaa tgaagctgag ttatgatgat ctagatcgta 60
 aagagcaaca acttttttcta gatctagcat gtttctttct tagatcacat ataatagtaa 120
 acgtgagcaa tgtaaaatct ttattgaaag atgggtgaaag tgataattca gtggttggtg 180
 ggttgaaaag gttgaaagat aaagctctta taactatctc cgaggataat tgtatatcta 240
 tgcattgattg tttaacaaga atggcctgng agattgttcg tcgcaagac cctgaaagtc 300
 gtagttgggtt gtgggatcca aatgatgaca tttatgaagc attggaaaat gacaaggtta 360
 aataccagct acatataaca atttttgaat cacgtagaa tttgtttttt gcaagaaaaa 420
 ttggctttga tgattaatat tttgcttcta cattgatgca gtgtactgag gccattataa 480
 gcatacgaat tca 493

<210> 13836
 <211> 460
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13836

tgtcactcta ctcataatct ctgaaagata tgttgaggag gaaaaacaga tacatccacc 60
 aggagaatat tgctggggaa gacaactgca atgctgtaat atagagaatt cttccaccaa 120
 aacagaagga ccctggaagt gttactattc attgttcaat cgggtgaagtc actgtgggaa 180
 aggctctcat tgatttggga gccagtatca acctaatacc gctctccgtg tgtaaaaggt 240
 tgggagagtt ggaaatcatg tccacgagaa tgactttaca acttgctgat cgatccatca 300
 caagacctca cagggttaatt gaggatgttc tgataagagt gaaacatatg gtctttccag 360
 ctgattatgt ggtcatggat gtggaggaag tcattntggg atgtcccttt atgtcaactg 420
 caagctgcat aattgatacn ggaagaaaga cactggagat 460

<210> 13837
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 13837

tatgaagagt tcttgacgat gctagttgtc aagcaccttg tgacttctgt cgaatatccc 60
 tagaccaaca atcaggagaa ggcagcaaac agagttatcc ttaaggcctt gcgcacaaga 120
 catgacaagc ccaaggggtct atggaaggag gaactcccca gcatactttg ggcttatcat 180
 tgttcgctc agacaacaac caatgaaaat cttttctgac ttacatacga cacaacacc 240
 atgatcccca tcgaagttgg ggagccatcg acaaggagga tgtttttcca ggaacaacaa 300
 aataaagaaa acatgagggg ggaactagag ataaagcaag cctagacaac agagcataca 360
 tgctacatga actagatggg taagtaattc caagaacatg gaatgctacc catctaaagt 420
 tttacttcag ttaatcgact a 441

<210> 13838
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13838

agcttctata ctntgtacaa gaatgaagct cngtttccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
 tctatttcac tttntactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
 ttcaaacgaa gcaacttgaa tatgaatata aagcaataat aaataaaaga gattaaggga 240
 agagaaaatg caaactcagt ttatatactgg ttcggccaca cccttggtgcc tacgtccagt 300
 ccccaagcaa cccgcttgag agtctcacta acttgtaa at tccctttaca agttctaaac 360
 acacaaggac 370

<210> 13839
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13839

agctngcatg atgggagcct ttctccttct cctttgagtt ttactcagcc aagtagtaat 60
 cttcctctgt gacctttnta gatgaaggac cagagaacat gccaccccat tggggaaagt 120
 agattaagca tattggcagg ctgcatatta tgatcatggc tcccattaga gtgattcctc 180
 tttcttttga aaacctggat cctttgaaga aaattaggtg ggtgacaact gctcccacgt 240
 tgcctcctcc tctgtcatt ccagatataa ctctaatga cctgaaaatg catattgtta 300
 gaattaatca caaaaaaatt atttagatag gatntgggtg gataaatctc tctagaagta 360
 cttgtaggag aagaaaataa taagaataaa aagagatgaa tttctccata acgtaaaatg 420
 aactctacat taattaattt ggagatgtcc tctcatctct tagaagaatt acgagagttt 480
 tacaatc 487

<210> 13840
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 13840

agcttcaacc tagaggagac gaaccattcc aagttttgga taatatcaac gacaatgcct 60
 acaagaatga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
 ctctttttga tgcagatgga ggagccttgg atttgaggac aaattctttt caaggaggga 180
 gtgatgagga cataaccaat ggcaaggacc atgaagcact tgaagggtccc atgaccagag 240
 gcagacttaa acaagcccaa cacatcatag agacaaggct ggtcatttgt atagctgtca 300
 ttgatgatga ttgaaggccc aagtggagaa agatgaaggc ccagaggcag aggactacc 360
 aagactacta at 372

<210> 13841
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13841

agctatgttg cnatattaca atttctctt ctctcctcag cagcaaaatc aaccacagca 60
 gagcaattat gacctttcca gcaacagata caaccctgga tggaggaatc accctaacct 120

cagatgggtcc agccctcagc aacaacaaca gcagcctgct ccttccttcc aaaatgctgc 180
 tggccaagc agaccataca ttctccacc aatccaacaa cagcaacaac cccagaaaca 240
 gccaacagtt gagggccctc cacaaccttt cctcgaagaa cttgtgaggc aaatgactat 300
 gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat 360
 gggacaatta gctaccaat ngaatcaaca acagtcccag aattctgaca ag 412

<210> 13842
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13842

agcttagtac tgggaacctg gatgctccat cgttcaactt gtcgatgctn ggcaaagggt 60
 atgcatcctt gggacacgcc cggttgagat cggtgtagtc agtgcacatc caccattttc 120
 cattggcctt ttttaccatg atgacgttgg cgagctaggt agagtgcctg acttctctga 180
 tgaaattgtc tttgaggagc tcactactt cctatcttat ggccttacat cattcttctc 240
 ccatcttact cttcttttgt gatactgggt tggcctangg acaaattggcg agcttgtggc 300
 atataatgct agggtagatt cttggcatgt tagatggctg ccacgcanac aggtctacat 360
 tatgggtgtaa gacatcaact atgcatctgt gttcat 396

<210> 13843
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13843

atctctgagt cacctgcggc atgcaagctt ctgttntcaa ttacgagcgt ctccatatat 60
 tacgggtctct aatccgacat cggagtaaaa agttattgtc gttagaatnt gctcagagct 120
 tctgttctga attttgagag tctcgatata ctacggaaca caatcggaca tctcagtaaa 180
 aagttattgt cgtttgaatt tgctcagagc ttctgttctt aattacgaga gtctcgatat 240
 attacgggat tcattcggac atccaagtaa aaagttattg ccgtttgaat ttgctcaaag 300
 cattcgttgt caattacgag cgtctagata tattacggga ttcattcggga catccgagta 360

aaaagttatt gtctttntat tttgtcaga gcttctggtt ttcaattcga gcatcttgat 420
atattacagg actcaatcgg acatccgagt c 451

<210> 13844
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13844

agcttatggt ctcaatttca agcgtcttga tatattacag gactcaacct gacattcgac 60
ttaaagttta atgtcgtttg aatttgctac gagcttccgt tttcaattac gagcgtctag 120
atatattact ggactcaatc agacatccgn gtaaaaagtt attgtcgtta gaatttgctc 180
agagctttcg tcttcaatta cgagcgtctt gatataattac gggtttcatt tggacatccg 240
acttataagt tatcgtgggt tgcatttggt cagagcttct gttctatatt tcgagcgtgt 300
cgatatacta cgggtcacaa tcggacatcc gaacaaaaag ttattgtcct ttgaatatgc 360
tcagagctnt tgctatcaat tctgagtgtc tggatatatt actgcacata atcgaaca 418

<210> 13845
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13845

agatctctga gtcacctgag gctgcagctt aaggatgagg actacccttg gttcaatata 60
atggcttact ntaaggccac gggacaacca ccagaaggta tgaaatttca caagagaatn 120
aggttcttcc aagaagccac caagtatggt tgggatgatg ttattctttt tcgcattgcc 180
tatatatttt cgtattgggt ctaacaattt gttaattgat gtgtaacaaa gggagaagtc 240
accatataga ggccacttca acaaagagag aacaactaca aagatccttc gagcttgatt 300
ntattggcct acattcttca aagatgctca taaccatgca tgatcatgcg atagctgtca 360
aagaatcaac gacatatcta gacgacatga aatgtcatca cataacatgc aagaggcata 420
agtctttga 429

<210> 13846

<211> 475
<212> DNA
<213> Glycine max

<400> 13846

acttaaactc cttcatctgc acaaggctta taatatttga agagtatcca tgtggtacct 60
tcacctgacg aaaacactga caaaaacata tttttcttctt cttggacaga gtatggctag 120
ctgaggggcaa gttaaattatc tttccatcag accttgggag caactgtgct cttataccca 180
tatcaactat atattgacgg gtttttaagc catccttcgt gatgccttga atgttaaaga 240
gcgtaccaga cacactgaca caaacatttt tgtccacatg cataacatca atacaatgtc 300
taacgtcatg atctcaccta tacggaagat caaagaaaat ggacctcttc tacatatgca 360
actctgactt tgatccttct tgtgggcggt ccaacaacaa tgttcatgag ttgaagccgc 420
tgatatacct gttcacaatc aacgggatcc gcgcaataaa tgcttttgac ttcatt 475

<210> 13847
<211> 564
<212> DNA
<213> Glycine max

<400> 13847

agcttaacaa attgactaga aaaagttatt gatttaatga caccoccaaag tgaatgctag 60
ctttcctgac tttttcctat aatataaagg tcaaagtgtt aacactgtat ctcgaccgta 120
tataaatgcg gcacgaaatg atatgtaaat acacttggat gaaaaacaac ttcataaaat 180
aacatcctcc taatgatgtc actgtattac cgtaatattt tattcaaaac ataaaataga 240
tatgctgaat gattcttaat tttgtaagtc aattaaatat taacttaact acaaatccga 300
taaactcgtc caaaattaaa aagaataaga taaacgtgat taaagaagat cacaataatc 360
ttttaatatt taatttatcg gaaaaaaaaa agtttttttaa cagagaagtt tattttattt 420
actttgcaat taaagaaata attatggagt aattaagtgc acttttacag tttagtcatt 480
caatagaaaa tgaataaaaa gattttttaat tgtaataaaaa aagggaattg aataccata 540
atgttcggag cttgatatgc acta 564

<210> 13848
<211> 512
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13848

tggatattnt aaaaaatata tatgaattgt tatccataat attatccatt ggtaattaa 60
taactatggt tattcaaatt atttatttag agaataata taattagttt aatattggaa 120
ggcttaaagt aaagactttg attccttgag ttggcccat gagttgggct agttaaagc 180
taataataaa gctatgtag aatcctaata ataagtaaat aatgtacaaa acttaaaata 240
ttgatatgaa ccaacaagaa tttaagtatt aaacttaaaa tagatcaggt atgttaaatt 300
cacggtaaat agcaggagca tgcgatagag gtgctattgt gattgataac aatgactaca 360
ataggaacca caaatatacc tcatgacaac caggatcaat gcctatcaag accaaccatt 420
gccagtacta ttttatatgc tccatttcac ttgtaaatta tgtttaacag ttccaccacg 480
tgcgaaagct agataacca aaagccttat gc 512

<210> 13849

<211> 525

<212> DNA

<213> Glycine max

<400> 13849

actaagcttg cactcttttg catggaatat aaacctgcca ccacctcccg tgagccgagt 60
tactcgcgaa aacatgggtga tctgtatgt ccagttaca atcatagtcc ctataacaca 120
tccacggctt caaacccaag tagtgtatgg tgtacacgtc atcaaggagc tcgtgcttat 180
tcccataacc aatactacga aaagtcgtga gctgattcac cttggccggc aaacgggtgcc 240
accacgtgaa gatctcggtc agaaaacctt ggtcgccgcc gttgtaagaa cgcaccttgg 300
aagtcatgtt catcattctc tggaacatgc attgcgacgg ctcgattacc atcgaccccg 360
agttgaataa cgctttctcg ttaggtgctg cggataattg acggagcatg aataaatggt 420
cgatgcttct gagaagtaag aggttggagt caataatgaa gatgatcgat tctgtcgtac 480
gttgtgagct gccacattcg tagcatgctg gttgtatgca ccctt 525

<210> 13850

<211> 410

<212> DNA

<213> Glycine max

<400> 13850

agcttttttat ttttagtaga tgaagatgaa tctgtggcca cctcatggac tcctctaagg 60
ataatagcat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120
ttcctagctt cagcaggggt catatcacca agagctccac cattggcagc atcaatcata 180
ttcctatcca tgttgtaaag tccctcatag aaatattgaa gaaggagttg ctcagaaatc 240
tggtgggttag gatagcttgc acacaatttc ttgaatcttt cctagtactc atacaagctt 300
tctccactaa gttgcctgat gcctgaaatg tcttttctga tggcagtggg cctagatgca 360
gggaagattt tctccaagaa caccctctta aggtcatccc agctgaaaac 410

<210> 13851

<211> 561

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13851

tcttggttgg aaagaataag gaacctatca acattttaca gtatgctgat gatactgttt 60
tttgtggaga ggctgtgtgg gacaacattc atgttattaa agccttatta aaaagatatg 120
aattagtttc tggtttaaag attaatcttg ctaaaagtca gtttgggatt attggtgggtg 180
gtgtcaattg ggctttggaa gcagctaata ccttgcactg ccgacagctg gagtatcctt 240
tcctctattt aggcatacct attggggcta atccctcaag ccagctgggtg tgggagccta 300
tcatcactaa attcaagtca aaattagcca aatgggctca gaaaaatata tccatggctg 360
ggaagaatac tctgataaat tctgtcctca atgcctccc caattatctc ctctccttct 420
ttaaataacc tcaaaagggt gtcaaaaaac tgatatccct tcaaaggaan ttttctgtgg 480
gtggagacaa tgatcataaa aaaatccttt ggtgaaatgg gctgatattt gtttgcctaa 540
gactgatggg ggactgggga t 561

<210> 13852

<211> 516

<212> DNA

<213> Glycine max

<400> 13852

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aagttattgt agtttgaatt tgctcagggc ttcggtattc catttcgagc gtctcgatat 120
attacgggac tcaatcggac atccgagtaa aaagttattg ttgtttgaat ttgtcagag 180
cttcggtatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtagtttgaa tttgtcagg gcttcggtat tccatttcga gcgtctcgat 300
gtattacggg actcaatcag acatccgagt aaaaagttat tgctgtttga atttgctcag 360
agcttctaca ttcaatttcg agcttctoga tatattacgg gactcaatca gacatccgag 420
taaaaagtta ttgtcgtttg aatttgctca gagcttcaga aatccattta gagcgtctcg 480
atatattaca ggactcaatc agacatccga gttaaa 516

<210> 13853
<211> 367
<212> DNA
<213> Glycine max

<400> 13853

tgctttatgg gaagagaggg gtctattttt attcccagct gcaggaacac ggtggagaga 60
tattcgaaag agatgggata ttatacgact gtgccttctc tgcttgtgac caagggctag 120
gactgaatga gctatagtat gaagaccaac ttcattttta gtcaataatg acatttataa 180
aacaactata ctaattggcg gtgttaattt ggggcagcta ttgcgtcatg caactgatcg 240
gtgtcccata taaccctttg catctgtact gtaaaaaagg gagagctggc gatgatccac 300
atgcagagga gcaatgagaa gagtgtgaca atgcggatgg tgctctgaaa gaattgagag 360
gctctttt 367

<210> 13854
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13854

tgcanaaagt gaaaatgaag cctcagctga tggaaccttg ttcatacaaa ttgttggtag 60
nctaaaattc atctgccaca acaaaccaga gatcacattc aatgttggac tggtagagcag 120
atztatgggt gaccctaagc aatcacactt gctggatgct aaaagagtca tgaggtatct 180

aaaggggaca ttgggatatg gaatcatttt cccatcatcaa accaaagagg atgataatct 240
 acatcttgta gcctattcag actctgattg gtgtggagat ttggttgata ggaaaagcac 300
 tgtgggacaa gtattcctac tgtctggctc tcccatatcc tggaactcaa agaagcaact 360
 agtgggtggca ctatcaactt gtgaggaaga atatattgca gcttgttcag ctcttgcca 420
 agcactgtgg ctttcatcct tgattaatga attgaaagta tcttcgaatg aagttgttga 480
 act 483

<210> 13855
 <211> 583
 <212> DNA
 <213> Glycine max

<400> 13855

agcttgctta agttcgaata ttgatttctt taatttgcac accatgtgtt ccttcccttc 60
 aactgagaat cctattggct ggtccatgta aacattatcc tctaaatctc cattaagaaa 120
 gataattttc acatatattt gatgtagttc taagtcataa tgagctatca gtgtcatgat 180
 aatcctgaag gagtcatttc gtgaaactgg tgaaaatgtc tgttaataca caccatttct 240
 ttgagtaaaa cccttagcaa caagtttgac cttgtaatgt ttaacgtttc catgagggtc 300
 atgttttagtc ttaaagaaca acttacaacc aactctctta caatcttcta acaattctac 360
 aaggaccaa acaccattct gttccatgga tcttaactct tctttcatgg cttccaacca 420
 cttattagaa ttatcacaac ttatagcttg tgaaaaacaa actagatcat cattaataat 480
 gcttaattaa tttctaataca tgtggatgga ccacatactc atttgaaata attggccttc 540
 attctcgttg agacctccta aatgtacttc ttttgattct tct 583

<210> 13856
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13856

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 tttctttggc ctaacaggaa ctccaatatt ttacagctt ctaatgttat gattgggttg 120

gccacacctt tcacatgtaa agtcagccaa ttttctcttt agcctatgtc ctgtgacatt 180
gtcctcatct accgatctcc ttctatTTTT ctttggcctt cctctttgta cccttttatg 240
tggaggaata aggtgtgtat attgtgtctg ggcccaatat tgcggtcctt ggactggctc 300
aataaaatgc tggatatgtct tataataaagc ttctattgac agtcactcat gacacatgtc 360
ctcaggcttc ccttctttgt gagatattgg tgcaatggca tgttggcttg tcatccctac 420
attaaagttg gaaaataatc acacatgtag gttacgaatg aaaaaaaaaa ctgtaaagaa 480
cac 483

<210> 13857
<211> 448
<212> DNA
<213> Glycine max

<400> 13857
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aagttttctt cggttgaatt tgctcagagc ttctgttctc aattccgtgc gtctcgatat 120
attacgggac tcaatcggac atccgagtaa aaagtatttg tcgtttgaat ttgttcagag 180
cttctgtttt caatttggag cgtcttcata tattacggga ctcaatcgca catccgaata 240
taaagttatt ttggtttgat tatggtcaga gcttctgttc tcaatttcgt gctcctcaat 300
atattacggg actcaatcag acatccgagt aaaaagttat agtcgtttga atttgctcag 360
aacttctttt ttcaatttcg agcgtctcga tctattatgg aactcaatca tacatccgag 420
ttaaaagata ttgcgggttg catttgct 448

<210> 13858
<211> 576
<212> DNA
<213> Glycine max

<400> 13858
agcttggatt cctcaaatgt acaactaagc atggtgttta tataaagggc agcaatacta 60
ctaacttgac tgtagtgtgc ctgtatgtag atgacttgct tgtgacagga aataatgaga 120
ttgaaattgc caactttaaa ggagagatga tgagagaatt cgaaatgact gatttggacc 180
ttattttctta ttttcttggga attgaattca agagaactga tgagggagtg atcatgcac 240

aagggaggta tgcaagagat gtactgaaga agttcagaat ggttgactgc aattctgcag 300
 acacacccac tgccactggt gtgaacttgg tgaaagatcc taatgaagaa gaagtagatg 360
 taatttttga tagacaaatg gtggggtcac tgaggtatct tttgttacta gacctgactt 420
 attgtatggt gttggcttaa ttagtagata tatggagaat cctaaacttt ctcaacttctg 480
 tgctgccaaag agaataatga ggtatgtgaa aggtactctc gattattgta tttctgtttc 540
 ccagtgtgc caaaaaaagt aatgggtctgg ggatat 576

<210> 13859
 <211> 582
 <212> DNA
 <213> Glycine max

<400> 13859

tgtgtagagt tgtcacagac aaagggatct aaaaattata aactaaaaaa ttaataatca 60
 aatagtatgg ataaaaaaag tgcataaatc aagtgcacac ctttcaaac aaagtaagat 120
 caaatagtaa ttttagctga aaagagaaaa agaagcaaaa agaaaaaaag gataagcaac 180
 taaagttgga agctaaatgt aagaacaaaa ccaaaccct tgaaatttaa ggcactatta 240
 gaaattacac tttcaacatc gggtatttag agcattctac atcggtctta aaaccgatgt 300
 tgaaagtgc gatgttgaat gtatcatcgt taacatcgat tttcaaaaac tgatgttaac 360
 ataaatatga taacatcggt tttctaaata accgatctta aacacaaaga actacaacaa 420
 aaaaagtgtg tgcagtatga aagttgacca tcggtttgta gtaaaactga tgtaaatggg 480
 atatattgac atcggtttca gtagaaaacc gatgtcaatg ttgatgatgc atatacttat 540
 ttgtttgtaca tctttgtata taacatcgac tattcataga aa 582

<210> 13860
 <211> 634
 <212> DNA
 <213> Glycine max

<400> 13860

tcatgaaata agtcatcaaa atgttgaaat attttatttt attatgatag gaaatgatct 60
 tgttttacta ccagagaaat atcaatgtgc tttttcattt ttgttttacc agattttttt 120
 tcattaattt attgctatat tttagttact attaattaca gttccaaaaa tttatgtcac 180

agacataaaa atattttaatg gcaataaatt ccacaaagat acatgataaa ttgtgaatat 240
 aatcaatddd tatattgatt ttttaattact tgtcataaat ttttttattt gaatatattt 300
 taatagtcta ttttttgtga aaagtattaa ttattaaata ttttaatttaa taaattatac 360
 aataatgaat actagtatac taaaaaagat attaatdttt gtgtatgatg tatacaaagt 420
 tttgaattda atttgtatta aaagcaataa aaaattcaat aaatttatta catatgtgaa 480
 ttcctaattc gtttagaatg aaaaaattat attaaaaaat aattttaaas aattattata 540
 aaaatcaata atttatcatc cacattdtatt tataaaaaata atattataaa cattatattdt 600
 aatgactata aagagtdtatt atatatgctg acta 634

<210> 13861
 <211> 564
 <212> DNA
 <213> Glycine max

<400> 13861

tgctatcaca gggcgggatcg cccggtggca agtdtttgcta tccgagttcg atatagtcta 60
 cgtcacccaa aaggcgataa aaggaagcgc cttggcagat tatttggtc agcagcctct 120
 caacaactat caacccatgt atcccgaatt cctggatgag gacatcatgg cttgtttga 180
 ggaaaagcta gacgaggacc gagataagtg gattgtgtgg tttgatggag cgtcaaacgt 240
 tctatgccat ggcgttggag cagtattggt ctctccagac aatcaatgta tacctttcac 300
 aaccaggctg gggtdttgact acaccaccaa tgtggctgag tatgaagcat gtgccctggc 360
 cgttcaggcg gcaattgact ccaatgtcaa gctactcaag gtgtacgggg acttagcact 420
 ggtgatccac caactgagag gggaatggga aactagagac cccaaggtga taccctacca 480
 agcctatata aaggagtdtg ctggttcctt tgatgagatc tccttccatc atggttcccc 540
 gagaggaaaa tcagatggcg gatg 564

<210> 13862
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 13862

cagcttatat tcattaattd ctagagtdtdt ttgtggatgc aataactctt ttattdtdtdc 60

atgtgctctt gaaagcgaga tttatTTTTg gctgtaaacc taacaggcta caataagcca 120
ccagtagtca gaatatgatg aaagccctgt attttcagtt tactgttagga gctctgccat 180
tatatctgcg aacctttgca ggatactggg cttatggatc ttcaacagcc aacctatttg 240
atgagtgatg tgaatggtcc agtttgggct aaagccattg cccattattg cagacttttt 300
tccatcagtc attgcattgc attgagtaac ttttaaactt caatTTTgtg ctactaaata 360
ttctatctac aatgggggtcc tggcctaata atctatcttt tgctttt 407

<210> 13863
<211> 493
<212> DNA
<213> Glycine max

<400> 13863

agcttaacta cacatacctc tctaatagct aagttcacct ccttgagatg agaagctaga 60
gcttagctac acaccccta taatagctaa gctcacccat atgccaaaaa aacatgaaaa 120
tacaaaaaaa agtcctact acaaagacta ctcaaaatgc cccgaaatac aaggctaaaa 180
ccctatacta ctagaatggc caaaatacaa ggcccaaacg aaggaaaaac ctattctaata 240
atttaciaaag ataagcgggc tcatacttaa cccatgggct cgaaatctac cctaaggctc 300
atgagaaccc tagggccttc ccttggatct ctagcccaat ctacttggag tcttctatcc 360
aatgcccttg cggggtagga ttgcatcatt ccctccacct tggaaaggat ttgacctcaa 420
atcccaaggt tcttcatact ctgggctcct tccctcgaca cctgtaaaaa gaacaaaaac 480
atatgtatta gtg 493

<210> 13864
<211> 545
<212> DNA
<213> Glycine max

<400> 13864

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gcacagtggc caaagatgca tgggagatcc tgaaaatcac tcatgaagga acctccaaag 120
tgaagatgtc cagattgcaa ctgttggcca caaaattcga aaatctgaag atgaaggagg 180
aagaatgcat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240

tgggagagaa gatgacagat gaaaagctgg tgagaaagat cctcagatcc ttgcctaaga 300
 gatttgacat gaaagtcact gcaatagagg aggcccaaga catttgcaac atgagagtag 360
 atgaactcat tggttccctt caaacctttg agctaggact ctcgatagg gctgaaaaga 420
 agagtaaaaa tctggctttc atgtccaatg atgaaggaga agaaggtgaa tatgacctgg 480
 atactgatga aggtctgact aatgcagttg tgctctttgg aaaacagttc aacaaagtaa 540
 tgaac 545

<210> 13865
 <211> 517
 <212> DNA
 <213> Glycine max

<400> 13865

tcggattgtc aattgcacca tgttccaaga agagtagagg gtgccacctt tgttgagtgg 60
 ttttattagc attttgtag ttgaaataaa ggcccaaact tgtgttaaag tggatgtcaa 120
 ttctcttttg attttcacca cctatgggct tgttttaatt taaagaaatt aaggtttaat 180
 aagatggaaa ctctaggctt gtggctgcct ctttgatgca agctccattg gagcttgtaa 240
 gcctaggatc ttcttcatca atggattcct ttgcttcttg gaagatgaat ggcagcggaa 300
 tgaagaaagg aagagagaga ggacacgcca cttcaaagag aagatgagtc tagaagaagc 360
 tcaccaccat atgaggccat ggataagagc ttggaggaag aaggagatga atgaaggag 420
 aggaagagaa gagcacgaaa ttttgtgctc tatatgagct ttgaaaatct gaatttaata 480
 ttcacatgat caaagttgaa aaaaatgcac acacatg 517

<210> 13866
 <211> 667
 <212> DNA
 <213> Glycine max

<400> 13866

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 attatttttt atttaaaaat agagacattt agttctcatt ttttaaaaaa ttataatttt 120
 aatccctcta ttttaattag agacatttag ttttacttt tgtaaaattt gtgatgttag 180
 tctttcaaaa atattaattg gtaaaagatt aatctaata gaaccaaatt taatgatgtg 240

acacaagatt atttgttttaa tctatatcat aatcaactta atctcttaat agtcaacact 300
 ttttagtttaa ctaaataacc aaaatcgtag atgtaataaa attacgggtt aaatgtctct 360
 attttaaaat aagataatca aaattataga ttttaaaaaa tataaacatt taagcatttt 420
 tttttctatt gtataaacta ttttttgtcc ccactagtaa attttttttg atctgtcact 480
 ggctgagggg actcttaaact cctaagaggg tgaaaaaaat agttgcataa aaatatgaaa 540
 gagtaatgtg accctactat aaatataaat acttgtacct gcgtagtat agataacttt 600
 ctatgtttcg tcaatgagta atgtatcttt cttttattgt aagaatactc ttacctaacg 660
 gaatgat 667

<210> 13867
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 13867

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 cattaagaac tagctccttt cttcctctat tgtctttagt tgcatacacc tttgtttggg 120
 tctctatttg gttaaccctc tcatccagct cctttacaaa ctttgacctt gattccctt 180
 ctttatgtat aaaagaagtg tcaagtggga ggggaattag gtctaaggat gttagaggat 240
 tgaacctata gacaacctca aaaggggatt gcttggtagt tctatgaacc cccttgttgt 300
 aggcaaattc tacatgagga agatactcat ctcaagacat atggttgcct ttcagaagag 360
 cccttaaaat ggtggataaa gacctattca ctacctttgt tt 402

<210> 13868
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 13868

agcttatgaa gaaaagaaaa ggaagaagga agggatcatg gagcaactac tcaagacaca 60
 agttaactca atggtgagca tcaaggagct tgatgaatca gtgagctgca acgtggcctt 120
 tggagattaa tccaaggtag aaatgaaagg aaaaggtaac attcttattc gtttgaagaa 180
 tggtgagcat caattcatct caaatgttta ttacgttcta aatatgaaaa gtaatatctt 240

gagcctgggg caactcctag agaaagggtta tgagattcgc ttaaaagaca ataacctttc 300
tacaagagac aatgaaaata acttgattgc taagggtgtg atgtcaagaa atggaatgtt 360
tgtgtcaac attcaaaatg atgttgcaaa atgtctcaag atgtgctaca aagatgcac 420
ttggcttttg catcttcaat ttgggcatct taattttgga gcat 464

<210> 13869
<211> 500
<212> DNA
<213> Glycine max

<400> 13869

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gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180
tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
gagaggatga cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggt ccttcaaac ctttgagcta ggactctcgg atagggtga aaagaagagc 420
aagaatctgg ctttcatgtc caatgatgaa ggagaagaag atgagtatga cctggatact 480
gatgagggtc tgactaacgt 500

<210> 13870
<211> 401
<212> DNA
<213> Glycine max

<400> 13870

aatacgctg tagtcattta aggattgagg atgatttgat ttggtgataa aggccatgaa 60
ggaagcattg ctgcctctaa gaaaacttcc atggcagtgg aactcatcca caaatctcct 120
gaattcaggt ctcagaatct tccaaaaagc ctttaataaag ttgaaattaa aaccatcggg 180
acccgggcat ttatcaccaa cacaactcca aacagcatat ttaatctctt gatcagaaaa 240
aggggcaatg agtccctctc tttgattctg atcaatggag tggaaaaaaa ccccatcaag 300
ggtgggtctg aaactctcat tttcagaaaa tctatgaaag aaaaaattac aagcttcatt 360

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401

<210> 13871

<211> 530

<212> DNA

<213> Glycine max

<400> 13871

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cagcttctgt tgtgggaaca ttctcagggc ctaagcatcg cttggccaca gcagcaactg 120
tgaaggacgg gaaggtgtat ctgaaccata tggttggaat tggataccca aaaaagaagc 180
atgcaattgt tgaggcacgt ttttaacgca tactttctag aaatctaaac attggggaac 240
tgggaatgtg gggatcatac atttacagga cgtttagttg aaatttggtg tacctttgct 300
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ctcaacctaa cataagatgc tcgatcgagt cagctaaatt agccttctgt cttggaaaaa 420
ttattaggtg attccgaatt atgaaagatc tagaggttcc agattaatct ctattagata 480
tacatttaag tttttcaatt taagaaagat agttaataac actctttaca 530

<210> 13872

<211> 453

<212> DNA

<213> Glycine max

<400> 13872

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ttgaaattgc caactttaaa ggagagatga tgagagaatt cgaaatgact gatttggacc 180
ttatttctta ttttcttga attgaattca agagaactga tgagggagtg atcatgcac 240
aaggagggtg tgcaagagat gtactgaaga agttcagaat ggttgactgc aattctgcag 300
acacaccac tgccactggg gtgaacttgg tgaaagatcc taatgaagaa gaagtagatg 360
taattttgta tagacaaatg gtgggctcac tgaggtatct ttgttgact agacctgact 420
tattgtatgt tgctggctta ttaataaata tat 453

<210> 13873

<211> 292
<212> DNA
<213> Glycine max

<400> 13873

ataatctccg ctgccaccca tggaaactcta aatctcccac cttttgggggt gggccattct 60
tggatggccc tgattttctc aagggtccact tggaccccat ttctaccaac taaaaaccct 120
aagaaaacta tattatctac acacaaagta cacttcttta tatttgcata taggggtgttt 180
ttcctaagga ctggaaaaac ctgcctgaga ggtcctaagt gatcatctag gtcctactg 240
tacactaaaa tattcatata ataaacaact accaatctac ctatgaaatc ct 292

<210> 13874
<211> 328
<212> DNA
<213> Glycine max

<400> 13874

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aagctattgt cgtttgactt ttcttaaagc ttccgttttt gatttcaagc gtctcgatat 120
attatagggc tcaatcggac atccgagtta aaagttattg tcgtctgact attcttagag 180
attccgctat caacctcgag agactcgata tattacaggg ctcaatcgaa catccccgagt 240
taaagctatt gtcgctagat ttttcctaaa gcttccgttt tcaattacaa gcgtttcgat 300
atcctacgcy aaacaatcgg acattcga 328

<210> 13875
<211> 385
<212> DNA
<213> Glycine max

<400> 13875

tgcaagctac acagcgggag aggaaataac acctgctctt ttgaaagcca ataacgattc 60
cagaattggc atcactgggc tctctgaaga ctttgcttct tcctcatttt gcttagatga 120
actcacattc attgttcact gcgcccagaa taatgggatg atgattatac caatgcttta 180
taacgtgtat tcttctgatg tcacacaccc agaggggtct tatggagaag cattggctaa 240
gcataagata agatctcccg aacagctcca caattgggag atggctctcg cgcaagttgc 300

tgacttgcct gggcttcatt tcaaatacag gtaccccatg ataccacact ttttatgttt 360
 taaattttca ttggattaat taagt 385

<210> 13876
 <211> 520
 <212> DNA
 <213> Glycine max

<400> 13876

agcttttggg aggggctgaa gtcctgcta tctccctaaa acccatcatt gtgcatgtgt 60
 tgttcatttt attttatttt acatttttaa agaaaagtta gttgtgtctg aatgtcatct 120
 ttataaaaac taaaaactag ttgtgtgtaa gtgtgtatta ttcttttttt tagtgtatat 180
 gttaggagtt tcacattaac aagaataaat tacttaagag tgtgtttgga tagagaat 240
 taatttaaga aggtaattta tcagagaatt tgaatttttg taatttagaa ttcattgttt 300
 ggatgctttt tatgaagaat ttaaaatttt gaaattttta aacagaat 360
 aaaatctgga atttcaatct ctttctaata attgagaaat tgaaattatt ctttttttac 420
 cgctttttca gaaacacgta tacctaacac acccatcata tcttctcttt tttttatcct 480
 cataatttaa tttctttatc caatacaaat tttgaaataa 520

<210> 13877
 <211> 506
 <212> DNA
 <213> Glycine max

<400> 13877

agcttgacca atgaaaacaa tatgatcagc gttttttgag aatattaata ggctcttttt 60
 ggtttccaac caagtagcta cggcacagat tttttacaat ggctgtctc atcattccaa 120
 tgagaccttc cccactaag ttaaacaaca aaggggctag aagatcccct tgtctcacac 180
 ctcgagtagg agcgaattct ttagtcggac taccattaac taaaatggaa atagatgctg 240
 attgaaggca ggcagcaatc cattgtctcc atttagtaca gaatcctagt cttgacagca 300
 tgtagtccaa gaaagaccaa gatactgtat cataggcctt ttcaaaatcc actttaaaga 360
 ccataactgg ctgctttgtc ttcataagct tcctccacca cctcat 420
 ccatgaagga ggctgattgc ctttcatcaa caataccga aaaacggggc tcaacctgtt 480

tggcaaagct tggatatgac tttgta

506

<210> 13878
<211> 455
<212> DNA
<213> Glycine max

<400> 13878

agcttgctga agatatggaa catgtggtct atgctatttc aaaagctggt gtacatagca 60
agggtgcaaca actatatact gaagaaagca aggtgcaaca actatatact gaagaaagca 120
agggtgcaaca actatatact gaaatccaag gtcgtaatgt tgaggggggct atagaaaagg 180
taggtactct tgaaggggag catgtcatta atgaaatttc ttcttccatt cagcaaacag 240
actgcctgag aaaagtgggt cctgttggtg ttcttgctgg gtccatctta gcttccttga 300
ggaaatattt taatgtaact acacttcaag atgatcacag aagatctctg atccatgatg 360
atgaggaaaa acctaccag aataaatatg gcaatcgaac gtggcacaaa aatagatcaa 420
gtacctgacg agaaaactag tttggaacat cctat 455

<210> 13879
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13879

aaaactcttt tcttagtata nacgttggtt ctacttcaat accctgtgaa ctacttcaca 60
tagacgttat tgggtgcctct agaactatga gggtgggtgg taattactat ggcttagtta 120
tagtagatga ttactcaaga ttacatgga ctttggtatt gaaaaccaa gatgaaactt 180
ttgatggtat ttgcatactt gccaaagtca ttccaaatga taaaaggtct taacattggt 240
tcacttaaag ttatcatgga ggtgaatttc aaaatgagtc 280

<210> 13880
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13880

tcactatgaa tgacaaattc cttgggataa aggtagtgtt gccatgnttt cacagcctgt 60
 actaaggcat acaactcctt atcataagtt gaatagttaa gggatatgacc acttaacttt 120
 tcactaaaat aagcaattgg atggccttct tgcatacaaca cagccctcat cccaacattt 180
 tgaagcatca cactcaattt caatagattt ttgaaagttg gcaacgcaag tatggcggca 240
 ttagttagct atcgcttaag aacattgaag cttcttcttg tttctctcct catttgatac 300
 caacatattt cttgagcact tctatgagag gtgcttgcca tgtgctaaaa tnctacacaa 360
 atactctata aaaacttgca tagccatgaa aacttctcac c 401

<210> 13881
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13881

ttcgtttaat tacgagcgtc tcanaatcct actggacaca attggacatc cgagtcatat 60
 gttattgtcg tttgaatntg tttagagctt atgttttcaa ttacgagagt tntgatatcc 120
 cacgggacac aatcggaat ccgagttaaa agttattgtc ggttgatttt tctcagagct 180
 tccgttntca attacgagcg tctcgatatc caacgggaca caatcggaca tccgagagaa 240
 tnattatttt cctttaaatt tgctcagagc ttcattgtttc aattaggagc gtctcgatgt 300
 attatgggtc taatcggaca tccgagttaa atattattgt cgttgacttt tata 354

<210> 13882
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13882

cctctcttcc cttanacttc ttttatttat tgctatttat cttttgctnt aaagaagtnn 60
 tatttgaatn gtctttngag taattcatgt taagggtgca ttgttaatcc gaaaagagag 120
 agtgaaagtt taattgtgga atagtcttta tatcttaatt caacccccct ttttcttaag 180
 gtaactgagg ctatttgtcc aacatcctat tcttgataac tcacttctct cttaaaagac 240
 agactttccg gaatgagggtc acatgaacgt cttgaaacac agtcaatcaa atgctctgtt 300

tttntatttta ttttattgtc ttaaccocctt cttttatttt ggaacttatt tgttttggac 360

<210> 13883

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13883

acctgcngca tgcaagctta acatcagacc acttccaggg tgctggaact acttcacatg 60

gacttgatgg ngcctatgca agttgaaagc cttggaggaa agaggtatgc ctatngttgt 120

gtggatgatn tctccagatt tacctgggtc aactttatca gagagaaatc agacaccttt 180

gaagtattca aagagttgag tctaagactt canagagaaa aagactgtgt catcaagaga 240

attaggagtg accatggcag agagtttgaa aacaacaagt ttactgaatt ctgcacatct 300

gaaggcatca ctcatgagtt ctctgcagcc acacaccaca acaaaatggc atagttgata 360

ggaataacag gactttgcaa gaagctgcta tggatcatgct tcatgccaaa gaacttcctt 420

ataatctctg ggctgaagcc atgaacacag catgctatat ccacaacaga gt 472

<210> 13884

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13884

gctccttcaa ctgcacaagg ctcttaatat ttgaagagta tccttgtgga accttcaccc 60

gacgaagaca ctgacaaaaa cttatattct tcttcttggg caaagtatgg caggctggng 120

gcaagtaata tttcttccca tcaaaccttg gatgcaactg tgatcatata cccatattcag 180

ctagatcttg acagatattc aagccatcct tcngtcttgc cttgatgtta aagagcgttc 240

caatcacact gtcacaaaça tttttctcca catgcataac atcaatacaa tgtctaacct 300

caagatcaca ccgtaaggaa gatcaaagaa aatgaacctc ttcttccata tgcaactctg 360

actttatcct tcttttgggt cttcccaaat acaatattca ggtgttgaac ccgttgatat 420

acctgctcac tagtcaacag tatcggcgca atatcatgct c 461

<210> 13885

<211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13885

tgcaagcttg tgactcttgt caatttctta aaactagttt ctgaaaaagc tngactntt 60
 gcaagaatct tcacaaacaa gctactcgaa gaattgtgac ttttggaat gtatttttcg 120
 aaatcagtca ctggtaatcg attaccatta aggtgtaatc gattacacat taacagatgt 180
 gacttctcac tttaaatttt gaaaatcata acatttagaa gctctggtta tcgatcacia 240
 gttttgtgta atcgatacac aagttcaaag gatttaaaat attaacacia gtgtaatctt 300
 gaaatcgaaa tctactgttt aaacacnggc atcgatacta cctctggtat cgata 355

<210> 13886
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13886

agctntnnta tttcagcaga tgaaaatgaa tctgttgta cctcatggac tcctctaagg 60
 acaataacat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120
 ttcctagctt cagcaggagt catatcacca agggctccac cactggcagc atcaatcata 180
 ctctctcca tgttgctaag tccctcatag aaatattgaa gaaggagttg cttataaatc 240
 tgggtggtgag aacagctngc acacaatttc atgaaccatt cccagtactc atacaagctc 300
 tctccataag ttgcctgatg cctgaaatgt cctttctgat ggcaatggta ctagatgcag 360
 ggaagaattt ctccgagaac accttcttaa ggtcatgcc a gctganaatg g 411

<210> 13887
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13887

aattgctctg agcttcaaca ttcaatttcg agcgtctcgt tatatcacgg gactcatatg 60
 tcaatgatgg gagaactaaa gtactntctg ggattacaaa tcaagcaaac tcaagaaggt 120

atattcatca atgaatccaa atactgcaag gaattgatca aaagaattgg gatggatagt 180
gcanaacaca tgtctacacc gatgagcact aattgttact tagataaaga tgaatctggg 240
cagtctatag acatataaca atatcgaggt atgacggat c 281

<210> 13888
<211> 251
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13888

atatggaaga agatgttgat attggttaat cttccatact agtctgatct agatgttaga 60
cattgtatng atgttatgca tatcgagaaa aatgttngtg atagtgttat tggcacgctt 120
ctaaacattc aaggcaagac anaggacaat ntcaatactc tccaagatct agttgagata 180
ggatatacaag atcagttaca tccaaggtct gatggtaaca aaatatactt gccctcaact 240
tgtcatactt t 251

<210> 13889
<211> 238
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13889

gcatgtagag tccatggtaa cttaaattct gagagaggac aactacanat ctntntgagt 60
nggaacccgt gaatgctatg ctttatgtta tgttgtctaa catgcattat gaatctcgga 120
natgggatga tgttgtgana atacgaangg tggtgaaatc aataggaata acanaggagc 180
ctgtgatgta gtggatcaag atgaactaca gactgcatac attcatttct gaagatag 238

<210> 13890
<211> 109
<212> DNA
<213> Glycine max
<400> 13890

aatgcctcta acagcacctt tgtcaatgaa tttcttcatg cctcttaagt gcaaatgtcc 60
aaatctttga tgccatattc tgacttcac tcttttgag gatagacat 109

<210> 13891
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13891

ctctataatt acctcacctc tcaatgagct ggtgaagaag aatgtggcat ntaacttgng 60
 tgaaagacaa gagcaagtct ttgttcttct taaagaaaag ctcaccaagg cacctgggtgt 120
 agctcttcct gactnttcta aaacatttga gctagaatgt gatgcctcta aagtgtgagt 180
 tggagcagta ttgttacaag ggtgggcacc tctattgctt attntagtga aaaaattcat 240
 ggtgccaccc ttaactaccc cacctatgat anagcactnt acgccttaat aagagccctn 300
 canactnngg gaacatactc ttgttncaag gaanttgtca ttcatagtga tcatgaatca 360
 cttaagtaca ttataaggta aagcaagt 388

<210> 13892
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13892

taactcgcct atgcnttttc ttccatgcc a tatgtagcan agtgcgtgat cctgtcaagt 60
 ttgatgagct gganaatgag gctacaatta tattgtgcc a gctggagaat gtatttcccc 120
 atgccttctt tgacatcatg attcacttca ttgtgcatct catcagagaa atcaaattgt 180
 gtggtectat ttatctgtgg tggatgtacc cggtttatcg atacatgaag atctt 235

<210> 13893
 <211> 217
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13893

ttaaattctg agagaggaca actacanatc tntntgagtn ggaaccctg aatgctatgc 60
 cttatgttat gttgtctaac atgcattatg aatctcgan atgggatgat gttgtganaa 120

tacgaaggtt ggtgaaatca ataggaataa canatgagcc tggatgtagt tggatcaaga 180
tgaactacag agtgcataca ttcattttctg aagatag 217

<210> 13894
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13894

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tgcacaaggc aagatatagt gtcaaatgaa gaaatgaagc tgcaggattc acgatgtcgg 120
atataatgtc cacgacatcc tgcctgaaaa tactggaatt gctaaaagca ttgaagctgc 180
aggatccacg atgtcngata caatgtccag gacatcctgc cccgaaatac tnggagtgtc 240
aaaagcattg aagttgcagg atccacgatg tcggatacga tgtccaggac atcttgccca 300
naatacctga catat 315

<210> 13895
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13895

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ttcanataga acaatctgaa tataaatata acgcaataat aaataaaaga gttcaaggga 120
gaagaaagtg cacactcgga tntatactgt gtcgtgcaca cncctgtgcc tacgtccagt 180
ccccaagcaa cccgcttgag agtccactat cttgtaaatc tctttacaag ttctacacac 240
ac 242

<210> 13896
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13896

ctatccaatg gccatgaaag aagacagatc agctgcacaa canatcggaa tgaatacctg 60

catgaccatn tgcagaagat gcatgccagt aaattgagct tgatagccac ccactggtnG 120
 cacaaatata aatcatggcc tgaaatacgc gtatactctg atctaatact gatttcaagt 180
 ctgtgacata tgcactaat 199

<210> 13897
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13897

gctatgctgc nacatctaca cagacctcct aacctagctg anaattatcc acaacagaat 60
 aattataacc totccagaaa taggtacaat cccgaatgga ggaatcatcc caaccttaga 120
 tggtcgaatc cttcacaaca acagcagcaa caacaacaac cttattttca aaatgatgct 180
 ggcccaagca gaccatacgt tccttcacca atccaacagc aacaacaaca acagccccag 240
 aaacaac 247

<210> 13898
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13898

caattccttg aagatacaca aacagctaata ggctcatggt atggaagttg gngagttngc 60
 tacatttatg gcaattgggt ngcacttcgt ggtcttgag cgccgggtaa aacatacact 120
 aattgtgctg ccattcgcac aggcgttaaa tatctacttt caacacagaa agaggatggt 180
 ggggtggggag aaaagtatct ctcatgccca anacaggttt gtaattgaat ggccatggtc 240
 aatacttaat gttcttcact ttcactanga anttataata atagtagtaa taatgtctta 300
 ctaaataaaa aca 313

<210> 13899
 <211> 206
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 13899

atggtgtgga taccctgtgc acaatcccat actntntaag caaggcatgc attganttng 60
tgcanaaatg ggttccttga tctaactaagc tngctntagg tactccaaac ctgcaaaaca 120
gattagatct aacacaatct acaacaacct tagcatcatt agttctagta ggcttagctt 180
ctacccattt tgaaacataa tcaact 206

<210> 13900

<211> 176

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13900

atacagacct ttgctcttcc atgcagcaac ctggagtaat tgagcagcct ggagcttatg 60
ctgcannaca ttacaataga cctcctcaac ctcagcagca naatcaacca caacagaaca 120
attatgacct ctccagcaca gatacaaccc tggatggagg aatcactcta atctca 176

<210> 13901

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13901

ttcaatcaat agacctccaa tctttaatgg agagggttac cactaccgga aaaccggaat 60
gcagatgttt attgaggcaa tagacttaaa tatttgggaa gccatagaaa tagggcctta 120
tatacccacc acagtagaaa gaatacaata gatggaagca catcaagtga aagcataaca 180
atagaaaaac ctagagataa atggtctaaa gaggatagaa gacgagtaca atacaattta 240
aaagccaaaa acataataac atctaccctg ngaatggatg aatatttcag tgtttcaaaa 300
tgtaagagtg ctaaggaaat gtgggacact ctacaattaa nacatgaagg aactacagat 360
gttaaaagat ctangataaa cacattaact catgaatatg aacta 405

<210> 13902

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 13902

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taccggaaaa cccgaatgca aattttttatt gaggcaatag acttaaatat ttgggaagcc 120
atagaaatag ggccttatat acccaccaca gtagaaagaa ttacaataga tggaagcaca 180
tcaagtgaaa gcataacaat agaaaaacct agagataaat ggtctaaaga ggatagaaga 240
cgagtacaat acaatntaaa agccaaaaac ataataacat ctaccctggg aatggatgaa 300
tatttcagtg tttcaaattg taagagtgtc aaggaaatgt gggacactct acaantataa 360
catgaaggaa ctacagatgt taaaagatct atgataacac attaactatg atatgacta 419

<210> 13903
<211> 399
<212> DNA
<213> Glycine max

<400> 13903
ttaagtcacc tgcggcatgc aagcttggtta tcccagctga tgtaccatt atcatggcct 60
ccccagaagg caccagcatg cttggccagg ccaggagcag tagcaagctt aaggtacgat 120
gaattttccag ttgcaaagta catccatgcg cctcccaaaa catactcatc ccagtaactg 180
gtagaattgt aaaatataga agcttccgaa ctccctgcac tgtacctgcc tctctgctcc 240
ctagaaaact tgaacagcgt ggtagcacca tgaactagtt tcttcgaata ggccttggtg 300
tccttgaaaa caatggaagc agatgccaaag gcagcagcca tctcagctgc aagatcagaa 360
caactatggc attcagtcac agggcggtca tagtccatg 399

<210> 13904
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13904

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tcaaaagtta ttgtcatttg acatttcata gagcttccat tttcaattcc gagcgtctcg 120
atatattaaa gggctcaatc ggacattcga gttaaaagtt attgtcgttt gatTTTTTcta 180

agagcttccg ttttcaattc cgagcgtctc gatatcctat gggacacaat cggacatccg 240
attcaaaagt tattgtcggt tgaatttgct cagagcttca cgtttcaatt acgagcgtct 300
ggatatatta cgggactcaa tcagacatcc gaataaatag tattgcattt gactttcata 360
gagcttccgt ttcaattt 378

<210> 13905
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13905

acctgaggca tgcaagctng cattcctctc ttcctttaa cttcntttat ttatngctat 60
nnatctntgg ctntaaagaa gtttattatg aattgtcttt tgagtaattc atgttaaggg 120
tgcattgtta atccgaaaag agagagtga agtttaattg gggaaatagtc tttatatctt 180
aattcaaccc ccccttttct taaggtaact gaggctatnt gtccaacatc ctattcttga 240
taactcaact ctctctaaaa agacagactt tccggaatga ggtcacatga acgtcttgaa 300
aacacagtca atcaaagct cttntttttt aaatttattt atttttttta cccctttttt 360
ttatttgga cttatttggt ttggacttta ctngttggt ta 402

<210> 13906
<211> 281
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13906

actcacaaca ataaggtata aatcatacta aaacttttgc tctttgtgct cgtctaaagg 60
caattcacat ttttctatcc ttgttgctc atcatggcat gatgttgat caaatggaca 120
taaaaagcat attccttaat ggacttatca aggaagaagt caatgtggaa aaccccccta 180
ggtttgagag ttctatctac ctcatcatg ttttcaaact taacaaggct ntgtatgggt 240
taaaaccagt tctcagagct tggatgaaa agttaagttc a 281

<210> 13907
<211> 374
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13907

agctngaata gatgaggatt atcctaatta tatgaatgtg ctatcacgaa aaacttcttc 60
tgttgatgcc agttaaggtc atgagggata atctcagcta ccttgaagtt agcaatggct 120
agtaactctt gtttagtggg agcaaagttc atatgtgcat cattntggac tttactggca 180
tagtaaattg agtgaagcat cttatttgcc tctgtcctag cactgcacca acaacgtagt 240
cactagcacc acacattatt tcaaactctt ggctccaatt tggggccaca atcactgngg 300
ctgacaccag cctccctttc aggggtgtgaa aggctagcat acattcttca tcaaacttaa 360
acacaacatc tttg 374

<210> 13908

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13908

gtcacctgac gcatgcaagc ttctaaactn tgtcaataat aaagttactg tttagaagtg 60
gcctcagaaa tcttaaagct ctgataccac ttgttggaaca agtggcctca gaaatcttaa 120
gaaggagggg gttgaattaa gaatttaca actattcctg aattaaaatt tctatataga 180
ttntgaccca agtcctaaga ttctttttaa aatgaatttc taaataataa ttcaaattaa 240
acttactgaa tagaaataat aagcaacaat aaataaaaga gtttgaggga agagagaatg 300
caaacacagt tttatactgg tttaggcaaag tccattgctt acgtccagtc cccaagaaac 360
ccgcttgga gtccaatatc tcacaaatcc ttacanattc tgaaacacac aaggacaacc 420
cttcctttgt gttcagatgc tttaca 446

<210> 13909

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13909

agcttcaaca tcagaccact tccagggttc tggaactatc ttacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgat gatgatttct 120
ccagatttac ctgngtcaac tntatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
atggcagaga gtttgaaaac aacaagttta ctgaattctg cacatctgaa ggcatactc 300
atgagttctc tgcagccatc acaccacaac aaaatg 336

<210> 13910
<211> 360
<212> DNA
<213> Glycine max

<400> 13910

cactcggaag tctgattgag tcttgtaata tatcgtgacg ctcgaatttt aaaaccgaag 60
ctcgtagcta attcgaacga caataacatt tcaactcgga gtcctattga gtcccgtaat 120
atatcgagac gctcgaaatt taaaaccgaa gctcgtagca aattcgaacg acaataacat 180
ttcaactcgga agtcctattg agtcccgtaa tatatcgtga cgctcgaata ttaaaaccga 240
agctcgtagc aaatttgaac gacaataaca ttcaactcgg aagtcctatt gagtcccgta 300
atatatcgtg acgctctgaa attaaaccaa agctcgtagc aattctaacg acaataacat 360

<210> 13911
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13911

cttatgagcc ttanggtata ttttgggccc atgggctaag taccaacca cttatctttg 60
taaataattag attaagggtt catattnttg ggccttgat ttagggctcc ataattgtagg 120
tagggtagcc taaaaatata ggatttttca gcccttgat ttagggcac ctagactagt 180
ttttgtatta agggtaggtt tgtaatttca catgcactaa gtggatattt gatg 234

<210> 13912
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13912

caataaaata aanaagataa gggaagagag aattgcaaac tcgatttata ctggtttggc 60
cacttcccgt gcctacgtcc aatcctcaag caaccactt gagatttttc actatatctg 120
taaattccttt acagactttg aacaaacctt gngatccctc acccttgtgt tcaagattct 180
ccaagagaca acccgtttct tgattacaat tctcacaatc caagagacaa ctagtctctt 240
gattacaact gactttntga gatgaacaaa anaatttttc tccttttagag tggatgaata 300
caaattaaga atcta 315

<210> 13913
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13913

ctctcnngca tagctaagat ccaatgggtca tcaattatgg cttctttcaa attttaggtt 60
caatcgaaga aacaataacc atattattgc acatatcttt gagagagtgt ctagttgtta 120
cccctttaga tatatcaccg ataatctcgt caacaggatg gtatctagaa gtttccactc 180
tcttgaaga cagcatttgt tcttggtcat gaatgtgaaa atcttcatca ttgtcctctc 240
ctttgccttt ggatttcacc atgaatatgc attttctcta agattctaan atatcatcta 300
gtatat 306

<210> 13914
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13914

taagtcacct gcggcatgca agcttctaac tgaggcagcc aacanaatta atgcaatata 60
aagttctttc ctgaagagac gaattttctt cgtcttccca gttntttttg acaattctag 120
tttgcttagt tcctcaatgc ctgaatctga ggatgatcta tgaagactat tagatcgcat 180
tagaggctca gcttctttct canaggcaac caaatcagtc tcagacgata ttcccaactt 240
ttttgtaacc acccactcgt aagaacttcc aaagcgaagt aatccagata tcatggcatt 300

aaatttagtt accgacatag tgttctcaaa tagaaggtaa ggaactataa acggaaatga 360

ccgtggagct ggtagaacac t 381

<210> 13915

<211> 237

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13915

aagcttctct gctttctttc ccaaggcttg ttcccgatc acaactntct cctccgctg 60

agtgatttca gctccttct tttccacttc caccaattta ttcttcaatc catcttcaaa 120

ggattttctn ttctcatcca attccacctc aaactcctgc ttcttcacat caagaaatag 180

tatttggttca tcaagaagtt tctgcatctc aacctgcata gtgtccaatc tgaattc 237

<210> 13916

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13916

attatataatn ttcattacac ttacttataa ttaagatgta atcacattta tttgtaataa 60

ttgttcgact ttatcggtgt aattatgtct atacaatagt gttattacac acttcaagac 120

atgtgttggtt tttatttcta tgattattat ttaactaaca attttttcaa tataaataat 180

ataatgtcaa gttacagaat aatatgtaca aattatcatc actaacttat tatttatttc 240

taacttacta aatatataat ttgtaaattt atttaactta tttggtgaga tttatatatt 300

aattatagtt gataaaaagt acaaattt 328

<210> 13917

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13917

agctntgacg gcgacgacag ttntatttaa actgatgttg agtattttat ttcaacatca 60

tttttgttaa aatcgtcttt aaatagacgt ttcaaagacg gttttcacia aaccgtatatt 120
 gaaaagttgg gattatttat aaaaaagcca caacattntt taacacatca tttttgtagt 180
 agtggttatac cgggtataatt tgattcctcc ttatataaat aactactaat tgaatacaat 240
 ttcaaattat tttagttatt acttaattnt gattgtaacg atattataat attgccacaa 300
 atcatatatc tttatatata taanaggaga taggtgaggt ggtcatggaa gaaaaacaaa 360
 ataataat 368

<210> 13918
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13918

ttgaccccgga tcttaagtca cctgcgcgat gcaagcttat tctatgggaa ttaccaagca 60
 cacaatgatc attaaaattca agtttatcta gtttatcacc acctaacaga tnttgtttct 120
 caagttcatg taatcctctt tcaactaatc gacctaattc caaatgccaa agttttgttt 180
 tatcaatcaa tgtattacta gctaccgatg catgtccaac aatgggtggaa ccttcaagaa 240
 taaacaagcc attactttta ttcttggtac ccttagctat gattaaagat ccatttgaaa 300
 tattaagaac accattttaa attctagttg aatatcctag atcatcaaac atgtttatgg 360
 aaataatatt tcttttgagt tctggaatgt accttacatt tntcagtaga tactctctat 420
 tatcaaacat cttcaatctc acag 444

<210> 13919
 <211> 185
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13919

atctctcgag tcacctgagg catgcaagct taaatatatc gatagctcg ttattaacat 60
 ttgatactct ttttaaannc aanagnatc aactnttcac acggatgtcc gattcggggc 120
 cataatatgt cgagagggtc gaaattgaac aacgcaagct cttgagaaat tatactggta 180
 ttact 185

<210> 13920
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13920

tacttgacga tgctaattnt tgttattatc ccttatgagc atagcatctc caaatgaatn 60
 tgggtgaagga tttcttaagt aaaaaataa tttcttataa atttttttta ttggaataaa 120
 tctatgtgac atgaagagtt gttataaaat aagaatttta tctttcataa aatattatnt 180
 cttataata aaataatatt tgtttaacac ataacaacat cataattaag tgaaaataaa 240
 aaagatataa aaatgaatnt ttgaagtttc ttattattga aacaaaaata tatataaatt 300
 tcttataatc atataacact ctctagatca gaacaatatt atataaacta tataaaataa 360
 cttacaat ttatttaata cattctctat ta 392

<210> 13921
 <211> 400
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13921

caatgatcaa acgggttatca aatntttata tcatagttnt actaagacat gtntgagtgt 60
 tcatganaaa gagagggttt tgaaaggcgg gaaggaaaaa cgaatttgag agcatgatag 120
 agcgtaaaga catatggtaa atgtaaaact gacctagtat atctctatnt cgaactatta 180
 tactctcaac ctattattta ctctattttt ctttattata tnnatttata aaaataaact 240
 atattttact cccaatcaaa tgaataaatt aaatattcat tttattttat aagaacatat 300
 aattatntta tttaccttaa aatcattatt ctaaataata aaaatatctt ttcttattta 360
 ttaattacga aaatctatta atttctctaa actctattta 400

<210> 13922
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13922

gcttcggtat tcactctcga tcgtctcgan gnnatacttg tactcaatth atatctgttt 60
 aaaaacgtta ttgtcgtttg gaattgctga gagcttctaa cattcaattc gagcatctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtccggt gaatgttctg 180
 agagcttcaa cattcaatct cgagcgtctc gatgtattat gggactctat cagacatctg 240
 agtaaaaaag ttattgtcgt ttgaatttgc tcagagcttc aacattcaat cttcagcgtt 300
 ttgatgtttt acgggattca atcagacatc cagtaaaaag ctatttgccg ttgaattagc 360
 tttgagcttc acaacttaat ttcgagcgtc tcaatatatg actggactca atcagacatc 420
 tg 422

<210> 13923
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13923

gctcctaaac tntatacaag aatgaagctc tgataccact tgtttgacaa ttggtctcag 60
 atatcnnaag aagggggggg tggaattaag atatcccaaa ctactctcca caattaaaaa 120
 tttatttcac tttcttttca agttatagat tcccttaaca atgaacttcc taaatattaa 180
 ttcaaataaa acaatntgaa tatgaatgta aagcaataat aaacaaagga ggggttacgga 240
 agaganagtg caaactcaga tttatattgg ttcgggccaca cccttggtgcc tacgtgcagt 300
 cccaagcat atccgcttga gagttctact atcttgtaaa tttcttttac aagttcttaa 360
 cacacaagga cacatccttc tttgtgttag aattctttac acaagagacc acagtct 417

<210> 13924
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13924

agcttccatt gttcaatttc gagcgtctcg atatattatg tctccttatt ctgacctccg 60
 agntaaaagt tatgaccatt tgaattgctc aagagcttcc attgttcaat ttcgagcgtc 120
 tcgatatatt atgcgcctga atccgacctc cgagtcacaa gttatgacca tttgaatttc 180

tcaagagctt ccattcttca atttcgagcg tctcgatata ttatgcgccc caatcggacc 240
tccgagttag aagttatgac catttgaatt gctcaaaagc ttc 283

<210> 13925
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13925

gctataatat atctatacgc tcgaatataa acatttgnat actcnntcgg aaatcanata 60
gtcataactt tttacacgga tgtccgattc nggcgcataa tatgtcgaga ggctcgaata 120
tgaacaacgc aagctcttga gaaattaaaa tgggtattact ttttacaccg gagctctcgt 180
gaaagtcata tggtcataac ttttcacact gatgtacgac tgaagcttat aatatatcta 240
tacgctcgaa anttaacatc cgaaactctc tataaagtc aatgggtata acgcttcaca 300
cggatg 306

<210> 13926
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13926

tgcaagctta tctttgaaat acagggcatc attgccttat atagcaacgg tttttacaga 60
anaataacag aataaacttc catatggtat ttggtcgcac ccgaacatgg atgcatttga 120
aagtagttca tgataggcta attntagata ttcaaggaca tcaagctagg tttacttctt 180
catcatggtc tgacttggac tcttctaatag ttatgttagc catcatacaa aagttagctt 240
cttcgctatc ctcatccgac aatgtgtcgt ctatgtcttc ccaagtactc ataagctcat 300
tcttatcttt agaattgata aataataacg agagagatta ttaatggata gtggtctcat 360
aaaaatcttt attcctgaat tattagtggg atatatatat ctttaaataa aaatatttca 420
ttaatattat attanataaa cattttctgt aaaaaatata tatcataaaa attaata 476

<210> 13927
<211> 178

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13927

actaagtnga ctcgttagaa tgagaagttt gttcggaatg agaagtgtga gcaaagtttc 60
 caagagttga agaggcgggt gacgacagct cctatgttaa ttttgcccga ccctaagaga 120
 acatttgaag tgtattgcga tgcaagctgg caatgctatg ggtgtgtgtt gatgcata 178

<210> 13928
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13928

agcttctana gatgtactta accagggtcca tcttgtttat aaccagggtg atggctcagc 60
 atgtattgtc ttagacgggtg ggacgcccag actaaagcac aacacgttct ttcgagcaag 120
 gagtagttca tttcataagc cgtgaacttt ntactcaagt agtagacagc gcgttctctc 180
 ttnccggact cgtcatgttg cccaacata catccaatcg actcattcca aatcattata 240
 tacaagatga gaggccttcc tggtaccaac gacataagca c 281

<210> 13929
 <211> 198
 <212> DNA
 <213> Glycine max
 <400> 13929

agcttataat aaatcgatac gctcgatttt aaacatctta ttctctctat aaattcaaatt 60
 ggccataact tttcacacgg atgtctgatt ctggcgcata atatgtcgag aggctcgaaa 120
 ttgaacaatg gaagctcttg aaaaattcca atagtcataa tgttttcaca ctgatgtccg 180
 attcatgctt attatata 198

<210> 13930
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 13930

atgggacaat nggctaccca attgtatcaa caacaatcct agaattctga caagctacct 60
tctcaagctg tccaaaatcc caaaaatgtc agtgccattt cattgaggtc gggaaagcaa 120
tgtaaaggac ctcaacccgt agcaccttcc tcattctgcaa atgaacctgc caaacttcac 180
tctattccag ataaagggtga tgacaaaaan ttacctaaca atttctgtgc aggtgaatct 240
tcttccacag gtaattctga tttgcagaag cagcacattc ccccgcttcc attccctcca 300
agagcagttt ccaacaaaaa aatggaagag gcagagaaaag agatcttgga aacgtttaga 360
aaagtagagg taaacatacc tctgtnggat gcaataaagc aaatctcaga tatgccaaat 420
c 421

<210> 13931

<211> 212

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13931

gcatgggaga tcttgaatac cgctcatgaa tgaacctcca aagagaagat gtccagattg 60
caactattgg ccacanaatt cgaaaatctg aagatgaagg aggaagagtg tattcatgac 120
ttccacatga acattcttga aattgccaat gcttgcaactg ccttgtgaga tagaatgaca 180
gatgacaagc tgggtgagaga gatcctcaga tc 212

<210> 13932

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13932

ctgtcgcaga ctctgtgggt tatgtctgctn tgccgaccac cacacagacc tttgcccttc 60
tgtgcaatca attgaagcaa tngaacagct tgaagcttat gctgcataca tctacaatag 120
acctcctcaa cctcagcagc aaaatcagcc acaacagaac aattatgacc tctccagcaa 180
caggtacaat cccaggtgga ggaatcatcc caaacttaga tgggcgagtc cttcacaaca 240
acagcaacaa caacaacctt a 261

<210> 13933
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13933

caacggaagc tctcagagaa tgtanatggc tcataacttt aactcggagg tccgattcag 60
 gcggataata tatcgagacg ctccaaatng aacaatggaa gctgttgagc aattcaaagc 120
 gtcataaata gtcaactcga ggtccganc atgcacataa tatatcgaga cgctcgaaat 180
 tgaacaacgg aagctctcat aaaatcaa atgacataact taactcga 229

<210> 13934
 <211> 208
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13934

atactcagcc cattaagaca gcttcggtgc tacactacaa tgggaaaatg aaaccttggc 60
 ttgatctgng aattccacag tataaaagct attggaagaa gtttctgaac aaagaggatc 120
 agctcttaag tgattgcaat gtaaatntca taataagtng tgntcctgtg gtgcatgttt 180
 gggaaattgt anggetgatc tcttaaac 208

<210> 13935
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13935

gtgactcgta agaatgagaa gtttggttgg aatgagaagt gtgagcacag tttccaagag 60
 ttgaagaggc ggttgacgac agctccagt ttaattntgc cggaccctaa gagaacatgt 120
 gaagtgtatt gcgatgcaag cgggcaaggc ttgtggtgtg tgttgatgca agagggaaga 180
 gtagtggcgt atgcttcaca tcaattacgt cctcatngaa gtaactatgc gactcatgac 240
 ttggaacta 249

<210> 13936
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13936

agctngcact agccagtgat ggaatgaatc catatgtgaa ttttaagcact taacacaatt 60
 catggccaat tctactagta atttacaatt ttcctccttg gttgtgcatg cagtgaaaat 120
 acatgatggt gtcgatgatg atatcaggcc caagacagcc aggaaatgac attgatgttt 180
 atctaagtcc gttgattgaa ggcttgagaa agctgtggga cgaggggggtt ttagtggtttg 240
 atgggtttca naatgagact tttctaatagc atgcaatgct tttttgtaca attaatgact 300
 ttccagcata tatgaatttg agcagttaca gtgttaaggg tcatcatgca tgccccatct 360
 gtgaagaaga cacaagctac atacaactga nacatggtag aaaaacagtc tacactaggc 420
 atcgacattt tctaaaacct catcaccctt a 451

<210> 13937
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13937

agcttcacac aatnnnattt tcttatactt gagttttgga tgaccaattn tgaggtactt 60
 cctaactaga ttatttagat gatgcatggt aatgtgtgca gtcctacgat gccacaacca 120
 agaatcatct attgtactta ccaaacaaat caactcatga aatgatgcat gttcaacatt 180
 taacatatat atatatatat atatatatat atatatatat atattaccta ttatctttca 240
 atgtggaaaa ctttcatggt cttcacttat aagacaaata atttttgttg aattcaattt 300
 tgaagccttt gtcacaaatt tgactaatgc ttaggaggtt atgctttatt ccatccacat 360
 atagaacatt ctttatttga gtnttggtgt gatttccgat atttctcttc cattattttt 420
 catggtatta tctacaaac 439

<210> 13938
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13938

agcttagccc aagaggggat tgtccttttt tatgcaatcc tatgccgcaa gggcattgga 60
tagaagaccc caagtagaat gggccaaaga tgcaagagaa ggccctaggg ttcttatgag 120
ccttagggta gatTTTgggc ccatgggcta agtacgagcc cacttatctt tgtaaattatt 180
aaattaaggt ttcattatTT ttgggccttg tatttagggc tccataatgt aggtagggta 240
ccctagaaat ataggatTTT tcagcccttg tattttaagg cacctagact agtttttTga 300
ttaggggtag ttttTgaatt tcacatgcac taagtggata tttgatgtgt gtgggttgaa 360
ataaatntaa ttgaattggc agaagcccaa tccaattaaa ttttagagag ggaggtgagc 420
atttgcttac tacaccccat ttgcacatca tatagtcaca ctttgt 466

<210> 13939
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13939

ttctccacta agttgcctaa tgcctgttat gtcttctcta atggcaatgg tccatagatgc 60
acggaagaat ttttccatga acaccctatt aaggatcatcc cagctgaaaa tagacctgng 120
agcaaggtag tatagccaat cttttaccac tcccttcaga gaatgaggaa aagcctttag 180
aaagtcatga tcttcttgga catcaggggg cttcatgggtg gaacaaacaa tatggaaactc 240
cttaagatgt ttatgaggat cttcacctgc aagagcatga aacttgngct gcaaattgtat 300
tagtccagtc ttgagaacat atggaacacc ctcacagaa tattgaatgc acaagctctc 360
ataagtgaat tcaggtgcag ccatctncct aagaatcctc tcacgaagtg gagggatgatc 420
catgttctca gtataaaaaat tagtagtgga at 452

<210> 13940
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13940

agctggaacc aatattnttc aatctctatt ccttcattaa ctaattgatt agcaatacaa 60
gcactacttt ttgagcaaaa caacttacag caaaaataat acactttatc taaatcccttt 120
gaatacacta gccatttttt atcatatttt tctccatatg gcattacttt ttggtagtaa 180
aatgaagaaa aatgtctatt attttcatct tttggatact gcataatcatt atatctaatt 240
ggatcataaa tattnttaga aacttcattt gatgtactat tgagctcctt atttgtttct 300
aaacaatctt cttataaatn ttcattatcc tcttgttctt gactaggatt aagactattc 360
atattgttaa gaatttctat ctctagaaat tntcattatc agtatnttgc tctaccgtat 420
taatatta 428

<210> 13941
<211> 332
<212> DNA
<213> Glycine max

<400> 13941

ctctctgaat ccactgtatt gctagggtta tataatgtgt attcattaat ggtgcattca 60
aatctctatt gtatctatta attattcatt taataaatca taatcccttt taaacaacta 120
atgttttgac cagtcaagca cgtttacatc tttgtaatgc atatataaaa aagtatttgt 180
ttgagttgct atacatattt ttgaagaatt aaattaataa aatatagaat ataaataatt 240
ttcacaaagg taaattaaaa attttagttt ttaattatag gtaatatataa actgtaattg 300
taataaaaaa atgcttttga aatacatatt ca 332

<210> 13942
<211> 346
<212> DNA
<213> Glycine max

<400> 13942

tcaagcttga tgcaacattt ggagagggtta ttgaaacaac gagatgatgc gctccatgag 60
aggttggatc aaatggagaa tagagatcat aatgaagaag aaaggaggag aagaggggaat 120
gatagtgttc ctagacaaaa ccgaattgat ggtattaaac tcaacattcc tccatttaaa 180
ggaaagaatg atccggaggc ctacgttgag tgggagatga aaatagagca tgttttctca 240
tgcaacaact atgaggagga ccagaagggtg aagcttgccg ccacggagtt ttccgactat 300

gctcttgtgt ggtggaacaa gctacaaaag gagagagcaa gaaatg

346

<210> 13943

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13943

caacggaagc tctcgttaaa attttgttgt cataaacntt cacacagatg tccgattcgg 60

ggaaataata tatcgagacg cagcaaattg aacaacggaa gctctcgaga aatttgaatg 120

gtcataacat ttactcggga tggtcgattc ggggacataa tttatcgaga cgctcgaaat 180

tgaacaaccg aagctctcga caaattagaa tggtcgtaac ttttcacgcg aatgttcgat 240

tcggggacat aactcatcta gacgctcgaa attgaacaac ggaagctctc gagaaattcg 300

aatggtcata agttttcaca cggatgtccg attcggggac ataatatatc aagacgctcg 360

atattgaaca acggaagctc t 381

<210> 13944

<211> 342

<212> DNA

<213> Glycine max

<400> 13944

agctggacct tatctcacat ggatgttata tatgtattct tgaatgggac catctaagaa 60

gacatttaca ttgctcaacc atatatgggt ttgtgcatcc taatcacagc ccaaccatgt 120

ttgccacttg aataaagccc ttacttaca atgcttttat atcatttctc ttggcttatg 180

gcttcaccaa tgtcaaactc gacacttcac ttttttatat ataaaaatga tcatgttatg 240

gctattttct tgtgtatgta gatgatttgc gacttacagg aaacaagttt ctcggtgact 300

ttcaacaact agctgtttcc aacaactttt cacttaaaaa tc 342

<210> 13945

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13945

ttccccca nagtcttata aaatgactta agaacttata atccctattc gtcacaatgc 60
 ttttgggcag tccatgaagg cacaccacct ctctaaagaa caagtctttt accacacaat 120
 catcatccac tttatggtaa ggaatgaagt gagccatctt tgagaacctt tctaccacaa 180
 caaaaataga gtccttgcct ctcttggacc ttggaaaacc aagtacaaaa tccatggata 240
 tgtcagtcca aggagatgtg gggataggca aaagggtata caaaccatgg cttatgacct 300
 tagatttagc tctatgacat acaatgcatt tgacaaaata tttattaaca ttatgtttca 360
 ttntttgcca aaagaaatga tcatgcaaaa tgcctaaagt cttgtaaacc ctaacccatn 420
 caacctcttc atgggcttct ctaatcaaca attcatg 457

<210> 13946
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13946

gatgttgaga gtgtntgtct tanatcacta tctctatttg aagtcccttc tttcaaaaaa 60
 atagaacatt taaaattgag attgatgtga tagaaaaaaa gtgttttgcc actatagtaa 120
 acaatgaaga gtggttatgg cattacagag ttggccattt aaattttaga gatctgattc 180
 agctaaactc aagagaaatg gtgttgggtt tgcctcagat caagcctcct agtgaagtat 240
 gtgatgggtg tttacagtgt aagcaatcaa gaaccacttt caaacaaaat gtaccaatca 300
 nggcaaagga gaaacttgaa gtgatttact ctgatgtgtg tggccctatg cagactgaat 360
 ctcttgggtg aaacaaatac ttcatacctt ttattgatga attgaccagg aaagtatggg 420
 tttatctaata aagaaagaag agtgatgtct ttgaagtctt tg 462

<210> 13947
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13947

ctccgcttca gctgagctnt gggaaaaggc taacctttat gatttcttct tgagacaaaa 60
 gtccagaagc aaatggatta agaaggagga cagcaacacg aattatttcc acaaattgat 120

taatcacagc aggagaagaa ataacttgag aggggttgaca attgacaact cttgggtgga 180
 agatcctaac ctcatthaagg ctgaaatcct tcagcatttt cagagaagat ttcataaatc 240
 ccagctgcat agacctaact tggatggagt ctctttcaat gttttaaccc atactcagag 300
 ggatacattg gttgaacctt ttaaagaaga ggangtgca tgtgctgtgt ggagttgtgg 360
 gaatgacaaa agcccggggc cagatggctt caatttcaga attattaaac actt 414

<210> 13948
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13948

gctctcgnga aattcaaatg gttataactt ttcacacgga tgtccgatta tggcgaatca 60
 catatcgaga cgctcaaaat tgaacaacgg aagctcttga gaaattcaaa tggtcataac 120
 ttttcacacc gatgtccgat tcaggcgaat cacatatcga gacgctcaaa attgaactac 180
 ggaagctctt gcgaaattca aatgggtcata acttttcaact cagatgtctg attcaggcgc 240
 atcacatata gaggcgctcg aaaaggaaca acggaatctc tcgagaaatt caaatgggtca 300
 taacttttca cactg 315

<210> 13949
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13949

agcttccgct gttcaatanc atttcttttt gatatatnat gcgcctgagt cggacatcgg 60
 agtgaaaagt tatgaccatt ggatatctcg agagcttctg tctttcaatt tcgagcatgt 120
 tggatatatta tgtcccagaa tcggacattc atgtgaaaag ttatgacaat ttgaatttct 180
 cgagagcttc tggtgttcaa ttttatgtgt ctcgatatgt tatgcgtctg aatcggatat 240
 ccgtgtgaaa tggtatgacc atttgaatat cttgagagct tccgttcttt gattccgagc 300
 gtcctagtat attatctccc caaatcgaac atccatgtga aaagtattga gcatttgatt 360
 tttagagagc tgtcattttc aattcgagcg tctcgata 398

<210> 13950
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13950

tagtaaagct aagcactaac aatatgttca agtgcattatt cagattcaat gcatgaagag 60
 tgacaggcat gcagattana atgaagatca gtcattgtatt catcaacaat atgggtcaatt 120
 atttcaacac gaaatacaga aagatcttca gatgggtgtt tcatagcatc aagaatatta 180
 aatgaacag ttatatcacc aaactccata gatagtgtgc atgcataac atctatctta 240
 gttctagcag ttttcataaa aggtctgcct acaatgatgg gaactgatcc tttagaatat 300
 ccctcctcca tattcaaaat ataaaaatca acaaggaaaa tcagctcacc aactctaact 360
 aggacatcct ctatgaaacc agcaggataa gcaacacttc tattagctaa atgaattatc 420
 acatcagctg ac 432

<210> 13951
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13951

aaaactacgc ttctatccaa gctatcttgt ggtgaagctt cacttctatg gcttattcct 60
 taatggatgg cgctcctct cactcgttt tctttgtctt ccgctgcac tccatgggtg 120
 aaaatcacca ttaaaggacc ccattgaagc tcaaagatcc agccctcata gaagccccac 180
 aagcaagctt tcatcaagtg gtaatcagag cacaagagct gcaaattgcc atatattgaa 240
 ttggaaggag gattgggtgcc atcccttgaa gaatttgagt caagaagcac ggagccaacc 300
 accttatgag ctattggact aagaagcact ccacattgng tgaatcacca aagagagaaa 360
 taccaccaca attgaggacc ttgttgcaat attgtaattg ac 402

<210> 13952
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13952

acactgcaac tcgagctttt ggtgatccag cacttgcaat tccattgccg aagccaaata 60
cactagctcc aggaacaaag ttaccacctg cgggtgataa agtatgtgaa ccagctacgt 120
tcatagtcac gtactactaag ctctgaggca ttcagttttg tacctgcatt tgccatcataa 180
cctttgtaga aatatcttgc tccaataagc ttcctacata tagtaaaaac gtcaatttaa 240
ttcaaataac aaagacctt aaacttaat ggaattttctc atgatgcaag ttaattcaaa 300
tgccatccga aacatctatn tataactgaa gctgatacta atngaactaa tattaacacg 360
taaagaatga ttacctacc 379

<210> 13953
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13953

agtttcttgt gatttcaact tataatatat cctccaatat tctgttctac ttttaaagat 60
ttagtactgt acatttttga aagaatgcat tatgttttgc agatatgtgg aaattggggt 120
agagtcaggg cttcctgttt cagtcaatgg taagagtctt tcaccagcgt ctttacttgc 180
tgagctcaat gagattgggt gaaggcatgg aattggccgg atcgacatgg ttgagaatcg 240
gcttgtaggt atgaaaagcc gtggagttaa tgaaactcct gcgggaacaa tcctgtttgc 300
tgagcacgt gagttggagt cattgacact tgatcgtgaa acaatacaag tcatagattc 360
attagccctt anatatgcag aggtagtgtg tgctggcaga atggttgatc cgcttccgga 420
gtccatgga 429

<210> 13954
<211> 400
<212> DNA
<213> Glycine max

<400> 13954

acagcttctg ttatgaattt cgagtgtctc gatatactac gggtcacttt cggacatccg 60
agtaaaaagt tattgacatt tgaatttgct catagcattc gctggcaaata accaacgtct 120

agatatatta aaagattcat tccgacatcc gagtaaaaaa gcattatctt tttatcttgc 180
tcagagcttc tgttttcaat ttcgagcatc tcgatataatt acaggactca atcggatata 240
cgagtcaaaa agtattgtcg tttggatttg ctacgagctt tcgggttcaa ttacgagcgt 300
ctcaatatgc tacgggacac aatcggacat ccgaataaaa agtattgtcg tgtgaattac 360
tcagagcttt cggcgcaatt acgagcgtct cgaatattac 400

<210> 13955
<211> 346
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13955

tcacaatttc ctcaactcata attggctctgc caccacttct gtatgccatt gggttggtgt 60
cacttgatgat gcttaccatg gaagggttaag gacattgaat cttggcgaca tgtctcttag 120
tggcaccatg cctctcact tgggaaacct taccttcctt aataaacttg accttggcgg 180
aaacaaattc catgggtcagt tgccagagga attagtccaa ttgcataggt tgaagtttct 240
caacttgagc tacaatgaat ntagtggaaa tgtttcagaa tggattggag gattatctac 300
actcagatat ttaaaccttg gaaataatga ctntggtnng gttttt 346

<210> 13956
<211> 373
<212> DNA
<213> Glycine max
<400> 13956

atctatcgct cctaatatgg agcccttctc aatcacccctc attaagaact agcttttttc 60
ttcctctatt gcctttactt gaatacacct ttgttgggat ctctatttgg ctcttaactc 120
tctcatgaaa cttcttcaca aactctgacc tagattcccc ttctttatgt ataaaagaag 180
tgtccactgg gaggggaatg aagtcaaact gtgttaaggg attaaaccca taaacaacct 240
caaaagggga ctacatgagg aagatactca tcccaagact tatgggttgc tttcacaaga 300
gctcttataa aagtggatga agacctattc actaccacta tttgccaatc agattgtgga 360
tgacaagtgg tag 373

<210> 13957
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13957

ngtagtacta ccacaaagaa agaanacaat cagcgcttaa tgggtgttta taaacaagct 60
 acatgaggca ggtaagattg tgagaaataa ggcaagacta ttttccaagg gttattcaca 120
 attggaaggt atatattata cagaaacctt ggcccctatt gctcgtctag aggcaatata 180
 cattttactc tcattttagt ctcatataaa aatgagacta tatcaaattg acgtaaaaag 240
 tgcattcctt aatggactga tacaagagga agtctatgta gaacaacccc cgggtgtttga 300
 gagtaacata tntgcacacc atgtatttaa actctgtaaa acattgtatg gacttaagca 360
 agctcctaaa gcttgatatg aatgtcttag gtcatttctt ttacacaatg actt 414

<210> 13958
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13958

taagctgcta gcattttctg gttcaatcat tttagaatta gcttgatatt ttccctgatg 60
 aaaagggtgga ctgattttgt cttaaattaa gtggcctgct gtgataactg atactccaag 120
 tctcatcggt ctgactagtg agagcaagac atctagtagt ccattcagta tgtttgaaat 180
 gtgaatgccca agtgcataaa atctgtattg attgttactt atatccatag ggtaacaaga 240
 gaagtgctgg gtttacagat gaagagagga aatcatttgc aaagaacttc ttatctaggg 300
 gattttaga tacctttaga aggcagcatc ctgggtgttat tggatatata tattgnggtt 360
 accgtcatgg tggacgcaag ttaacagagg tatttctagc acactcttaa aaatnngatt 420
 atatataatt tact 434

<210> 13959
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 13959

tcttacaaga gactaagann attttgatgt aaaattttta gtataaagat cttggggaaa 60
cctcttttgt attagaaatt aagatactaa gagatcgctc tcaaggtatc ctaaggttgt 120
cacaagagag ttatatcgat aaggtcctag atagattcag catgaaaaat agtaaaccag 180
gagatacccc aatagctaaa ggagacaaat ttagttctca acaatgccct aataatgacc 240
ttgaaagaac aaagatgcaa aagatccctt atgcataagt agtaagaagt ctaatgtacg 300
ctcaagtttg cactcgtgcc gatataacat ttgtagtagg aagtttgggc agatatttga 360
gtaatcctgg aatgcagcat tgganagaag cnnaacntct gattcngtac ctanagagaa 420
canaaggata catgctcact tatcagaagt ctaaattttg 460

<210> 13960

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13960

agcttgttta ccccatgttg tattngctta caatagagnt gntcatagca ccactaattg 60
ttctcctttt gaagttgttt atggttttaa cccactaact cctcttgatc ttttgcctat 120
gcctaattgtt tctgttttta agcataaaga aggtcaagca aaggcggact atgtgaagaa 180
gcttcatgag agagtcaaag atcaaattga gagggaaaaat aaaagctatg ctaaacaagc 240
caacaaaggg agaaagaagg ttgtctttga acccggagat tgggtttggg tgcacatgag 300
aaaagaaagg tttccagaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt 360
tcaagtgctt gaaagaatca atgacaatgc ttacaaaagt gagctgcccg gtgagtat 418

<210> 13961

<211> 339

<212> DNA

<213> Glycine max

<400> 13961

aaattcaa at ttcaagtctg aagaatcaca actcttttaa aactacctgt gtaattgaat 60
accacattta tgtaatcgat tagcagtaaa gaattttcga aaataacccc caagaatcac 120
aattgggtcaa gaatttttga atggccatca aatgccttta aataggtgac ttgggatagc 180

aaattcctta gagtttttct gaacaacatt atcttatcct ctcaaaacca aattatctta 240
 tcactatcaa aatattcctt ggccaaaaca cttgcaaatt caataaggaa tcatgatcga 300
 tattcaattg taatatcctt atcttaaaga gagaaaatt 339

<210> 13962
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 13962

aatggtcgac aatggaatat aaactgcggc agttattgtc gttttaccta ctccaccaag 60
 cccatggatc cccagcatgt ggatgacatc atcagatcca acatccagaa gttctttttac 120
 ttcttgcata cgtgactcaa gtccaactgg ataatccgca acatgtaaag gagcacgatt 180
 aatcttctta gagaccaact caacaatcct ctgaataaac ttatatctgt attcttcctt 240
 attcaatcag agaaatcaga gaaaagtcaa acaaaactag tcatcctcca tatcttgata 300
 tgtatgtatg ctgttcaagg taataaactt tattcatccc tctaaatttc aacattatgt 360
 ttaattatta atcttggctc tatattggctc tacaccttta tgttttgacc tatacgcaaa 420
 aaatgtatgt ttagctctag acagcatatt 450

<210> 13963
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13963

gtcacctgcg gcatgcagct tgagcaattc aatgtctttn attttttact cagatgtccg 60
 aatgagtccc ataatatatc gagatgctcg aaattgaatt cgtaatctcc taaccaattc 120
 aaacgacaat aactttttac taagaagtct gattgagtca cgtaatatat cgagacgctc 180
 gaaattgaat acaaaagctc tgtgcaaatt caaatgacaa taacttttta cttggatgtc 240
 cgattgagtc ccgtaatatt ttgagatgct ctaaattgaa aatggaagct cctagaaaac 300
 tcaaacaaca ataactttct actcggatgt ctgattgagt cccgtaatat atcgagacgt 360
 tcaaaattga atacggaagc tcctagtaaa ttcaaaccac aataaccttt gactcggatg 420

tttgatngag tcccgtata tatcg

445

<210> 13964

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13964

ngagaatgga gaattgcact aagcaattat tacgcatatc tttttactcg aaggtggagg 60

acacatgaac gaaaacacaa ttcattggggc tccgaaaaag ggggttgagaa tggagaatta 120

cactaagcaa tcactacgca tagctccaaa ctggaagggtg gaggacacat gaacgataac 180

gcaattcatg gggctccgaa aagattgata atggagaatt gcactacgca atcactacgc 240

atagctccaa actcgaagggt ggaggacaca tgaatgaaaa cgctattcat ggggctccga 300

anagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcgaatg 360

tggaggacac atgaatga 378

<210> 13965

<211> 227

<212> DNA

<213> Glycine max

<400> 13965

cttggggccag ccacatcaaa agtgtttagat ttcaacttaa aactaattgg cactaaatga 60

aagtgtccaa cagatatata agctgtatcc caaaaattga ggcaggtgat gtgggacttc 120

ctaaccccc cctccacaaa tgcttgccaa tacaagcaag cctacaagaa taggcaagaa 180

ctaagatggg ctataggctc tgatatcatg ttagatttca acttaaa 227

<210> 13966

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13966

tgtatggtag aaggggtagg acacctctat gttggtttat gccctgagaa gacctcacct 60

tangacttga agtgggtacaa caaaccaccg agaagggtcaa gttgatccaa gaaaggatga 120

ggactgctca gagtatgtag aaaagttatc aggataagag gaggaagac ttggaattcg 180
 aggttggtga tcatgtattc ttgagagtca ctctgtggac tggggttggt cgagcattga 240
 aatcccaaaa actaacacct cgctcatcg gtcctttcca aattcttaaa agagtcggtc 300
 ctgtggcata ccaaattgca ttaccccat cacattctaa tcttcacaat gtctttcatg 360
 tgtatcaact ccataagtat atccatgatc catctcatgt ggtcgaattg gatgacgtac 420
 aagtaaagag aacttgacat atg 443

<210> 13967
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13967

acaaaaaact gacaaaaacc tatcttctcc tttttggacc aaatatggca aggtgggggc 60
 caagaaattt tcttcccatc aaaccctgga tgcaactgtg atcgatgcc catatcaact 120
 agatcttgac ggggtattcaa gccatccttc gtcttgccctt gaatgttaag gagcgtccca 180
 atcacactgt cacaaacatt nttctccaca tgcataacat caatacgatg tctaactgca 240
 agaatcaaac cagtaagaag atcaaagaan atggacctct tcttccatat gcaactctta 300
 cttttatc 308

<210> 13968
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13968

gatccttaag cacctgcngc tgcagctata gtcattactg ttaaacttta actcaagnng 60
 aatgttcctt tgatatagta aataatttgt tttgtggcct tgagatgagt aatggttgga 120
 gtctccatgt attgactgat gagtcgagta ccatataaaa tgtctggtct tgtggacgtc 180
 aaatatcaca aactaccac caaactcttg aaatttgtag caccatctt ttttgcttcg 240
 tcaaactttg ataacttcat tttgactcc accggtattc caattggctt gcatagtttt 300
 gctatgaaat gaagattcaa tcttcctttt gctttacctc aataccaaga tagtatgaca 360

ttagtccaat atcgggtcatc ttgaactcct tgaccattgc tttcttgaac ttttcanaca 420
tacttggatt acttcccatg aagatcaagt tatccacata tatgaacatg at 472

<210> 13969
<211> 369
<212> DNA
<213> Glycine max

<400> 13969

agcttcataa atccatcact ttttatgttc tatgcacaaa aacttaaattg atgttaattt 60
aacaattatt tgctcaaaaa ggaaaaagta ggagggaaaa attacaaatt cctatataat 120
ttatgatgca atactacccc gcaagggcac tgggtaaaaa actccaagta gattgggcta 180
gagatccaag ggaaggccct agggttctca tgagccttag ggtagatttc gagcccatgg 240
gctaagtatg agcccgttta tctttgtaaa tattagaata ggtttttctc tcgtctgggc 300
cttgtatatt ggccattcta gtagtatagg gatttagcct tgtatttcaa ggcattttga 360
gtagtcttt 369

<210> 13970
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13970

tctntgagan aacttccttg agaagctaga gcttagttac acacaccct ctcataacta 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagcttga gcttagctac 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccttat aatagctaag ctacccccca tgacaaaaaa catgaaaata ccaaaaaaag 240
tccttactac aaagactact caaaattccc cgaaatacaa ggctaaaacc ctatactact 300
aaaatggcca aaatacaagg ccagacgaa ggaaataact attctaatat ttacaaagat 360
aagtgggctc atacttagcc catgggctcg aaatttacc tatggctcat gagaacccta 420
gggccttccc ttggatctct agccaatcta cttggagtct 460

<210> 13971
<211> 455

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13971

ctgcagctta cagcaatgca cttctcattt ttcaaacgat atgttgacaa gaaaacacaa 60
gtatattcac tangaaaaca tttgtgtgga aggaaattgt agtgctgtga ttcaaaagat 120
ccttccacct aagcataaag accctgggag tgtaaccatt ccttgttcaa ttggagaagt 180
cactatggga aaggctctta ttgatctggg agccaatatt aacttaatgc cactctccat 240
gtgcaaaaagg ttgggagagt tggagatcat gccactang atgactttac aacttgttga 300
ctgctccatt accagaccat atggagtaat taaagatgtg ctggtcagag taaaacattn 360
tatcttccta gcagactttg cggtaatgga tatctatgaa gataatgaca ttctgtaat 420
atggggaacg ccattcatgt taactatgag ctaca 455

<210> 13972
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13972

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ggatttttgc ttttttgtct agtttgcttc aactcgattt taggtgtggt gcattttccg 120
tttgaactat acatatcgca aataaattga ccaagactca ttattgtaaa ggttttttca 180
caataattat ggtggagaaa atgccaattc aaatagaatg tccatgattt tgactaggct 240
aacaagtttt gacaggggaat caagtcctgt tatgttaatg aaatgaactt gcagaaattt 300
gaacctctca acagatggag aataagtgtg taattgcttt agtcactgtt gatgttgatc 360
ancgtcttta gaactacnnt ctttcttadc tattaatntc aagtttgaaa tgatacatat 420

<210> 13973
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13973

acaaagcacc ctacggcctc atgtgctaaa actnntagct gggagcacca tgacactacc 60
 aagcctttct ctgactttct ttcgaagttt ttagggagtt tagtctcttc agaagctcta 120
 accacccaca agaagtaact ttcactatct cttaaaccat aagctagttc ttctatttgc 180
 tcctcactaa gtattgccat actcccaaaa gaaacataaa taacagactc ttttatctta 240
 tcctctaacc attttatgca ttcttcactt gtgaatngtg caacaccata gtcttcatca 300
 tcttgggttt gcttgtctaa naacatggat ggaatggatg gtcctatnng tcctaaattt 360
 ggccagatct tcacgtcca atcagccacc tacaagcaaa ataagtaatg tcacattcta 420

<210> 13974
 <211> 214
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13974

gctgcaccct caattgatta ttactatctg tgcacacct ctacttatat caattgcata 60
 attctacgac ggtctttcaa acagaggatt atcttatntt aataaatata tccaatcaat 120
 cccaatcctt ttaccgatta acatcttgta agatnttcac aaatccctac cttttaattt 180
 tcgactttct caaaatatat cagctgatga atta 214

<210> 13975
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13975

gtacgctaaa gatattatga atgcttcaac tgagcgtatg ngtttgaaga aaatgtgcac 60
 aatgtncatt ggctttcttt tataggatcg tggcctcata atccctaaac aatgtgcaca 120
 tgagtaattt gctctcaagc ccattataca tttaacccta aacaatgagt atataaactt 180
 aaaaaaatag aatctaattt ccatatatgg ctatgggtann naaaatattt atcaacgaag 240
 tgaanactat aataaatata actgataaga taattattat aaaaataaat gaaataatta 300
 tacataccaa tttgtgataa aaaataatgt gaattctttt acanaataat atattgctac 360
 ttctcttaaa gtatggcttc attaactgat agaaatctac attaacagtt atttacacga 420

caaataaatt agactattct gcacattgcg cttatgggtca aacactacta 470

<210> 13976

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13976

tatatcgaga cgcaaganat tgaacaacgg aagctctcga gaaattcgaa tggtcataac 60

atttcactcn gatgttcgat ccgngacat aatntatcga gacgctcgan natgacaacc 120

gaagctctcg acannatatg aatggctcga actnttcacg cgaatgttcg attngngaca 180

taatcatcta gacgctcgat atgacaacgg aagcttcaga aatttaatgg tcatacgttt 240

cacacggatg t 251

<210> 13977

<211> 196

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13977

tcataatgat cattnggatg tagtaattcg aattttgaaa tacattaaaa ggacctcagg 60

acaaggacta ctctatgaag acaaangaga cacttcaaat agtggatttt gcgatgcaga 120

ttggacataa tcaccattg ataggcgttc cacttcagga tattgtgtgt ctggtggagg 180

aaatcttgtc tcatgg 196

<210> 13978

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13978

tcttcttcat caatggagtc ctntgcttct tgaatatcaa tggtagtgga atggagaagg 60

aagaaagatt attggagaca cgaattcaag gagaagatga gtcaagaaca agctcaccac 120

cataggaagc catggataat agcttgaagg taggagaaga tgagtggagg gaggaggaga 180

gaaggagcac gannatttat gcctcanatg aggtctgaac tntgaagtgt aattctcana 240

tgatcaaagt tgaanaaaat tgcacacat

269

<210> 13979

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13979

ctataaatct atctaagaac cctgttcggc actcaagaac ccaacacata gaaatangac 60

atcatttctt gagagaatat gttcaaaagg gagatttgtt tctagaattc ggtgatacaa 120

agaatcaagt agctgatatc tttaacaaac ctctccataa agaaacgttc ttgctatta 180

gaagagaant anngtcttta gatatacatg atctagacaa gtaggtaact cattgagctn 240

tgtcctctta tgttcatata ntggcttgag tgtagtgtag cgttataata gtcataaat 300

tgttgttggc ttttaataatg gnccttgata ccttgttgaa tataat 346

<210> 13980

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13980

cttgagaggc ttctttgaga agctaact ttatctacta acaccnttt aataactaaa 60

ctcacatcct tgaaaataat tacggataaa ataacataac aaatataatc aaacatcaaa 120

cataattact aataatatat agatatatat caggggtgta caactctccc accctttttg 180

aaatttcgtc ctcaaaatct acctgactca aacaaggatg gatgagcttc tcgtatctga 240

ctctctaatt ccacgtggc atcttctcct gatgcacctc ccagatcac cttgaccaac 300

agaatctttn tcctcttaa gtgttttggt cacctatcct caatcctcag aggcaatggt 360

tcatatgt 368

<210> 13981

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13981

taataaatct atatatgggt taaaacaagc tccttgtcag tgggtacttta agtttcatgg 60
gataatttct ttatttgggt ntaatgaaaa ccccatggat caatgcatat accacaaggt 120
cagtaggagt aaaatatgtt ttcttgtttt atatgtagat gatattttac ttgtagtcaa 180
tgatcggngt ttgctacatg aggtgaaaca atttctctct aagaantttg acatgaagga 240
tatangtgat gcatcttatg tcatcgacat taagattcat agagatagat ctcgagggtat 300
tttgggtcta tcacaagaaa cctatatata caaaattcta gagagatttc agatg 355

<210> 13982

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13982

caccatccat ttttaagatgt atgcataatt ntcaaaataa cagaggcagc accttagcag 60
ctccagtgtc gctgggaatt atattgaagg aagcagctct tccaccctc cagtccttgt 120
ttgatggacc atcaacagtc ttctgagtag ctgattcatc acaaaaagta tataatgaat 180
accatatctt catctaaaat tgaaaaggat aatagattaa ttcaagaagt tatatagcca 240
aatgacaaac ctgtgatggc atgaacagtg gtcataagac cctccacaat tccaaatcgg 300
tcgttgataa cctgtacaaa attaaaatnt aataatttca ttaagaaaaa tgcaaattta 360
taatacagat ggaagcagca atatataaat atatcaca 399

<210> 13983

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13983

cgtagggtta aagtctncac gatgtcacgt gctcatgcaa caattgttag ccatggctat 60
acgagacatc ttgccaaaca aagttaggtt agcgataact cgcagtgtgt ntttcttcca 120
tgctatatgt agcaaagtca ttgatcctat caagtttgat gagttggaaa atgaggccgc 180
aattatactg tgccagttgg agatgtattt tccccctgct ttatttgaca tcatgaatca 240

cttgattgtg tatctgggtca gagaaatcaa atgttgtggt cctatattatc tacgggtggat 300
gtacccccgtt gagcgataca tgaagatctt aaaagg 336

<210> 13984
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13984

tctagagtag tataatgtag tcggctatga tacttttttaa tatcttgcct ccaataactaa 60
atgccgattc ataagctaca gcggagatcg gaatatctaa cacatccctt gcaatagcta 120
gtagtgttgg atacattagc tcgttcaatt tccaccacat taagatatca gaatctgaat 180
ttcttgggtga aacttcatcc tctaagtaat gatccaactt cgttttcata gttgagggtc 240
ttgccctttc tttctttcaa tgtatctatc ataatcacac aatttactct ttccatcact 300
aaccacatct agtgattcaa aagaactagt agaatctgga tgcttttttg cttgatattc 360
cgaaatanaa tcataacaca 380

<210> 13985
<211> 248
<212> DNA
<213> Glycine max

<400> 13985

tccttatgtt atcacacata tcaagggaaa acgtaatatt gtagttgatg ctctttctcg 60
gcgtcatgcc ttactttcta tgcttgaaac acaattgatt ggtcctgaat gtttgaaaag 120
catgtatgaa aatgatgaaa cttttggaga aatctttaaa aactgtgaaa attcttcaga 180
aaatgggttc cttatacatg aaggctttct tttcaaagaa aacaaattgt gtgtgcctca 240
atgtttcta 248

<210> 13986
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13986

cgccgcgaag gtatagtacg atgatccttg tgtgcggcgc agcttttctg cgggtgctgc 60
gcgtagngtg ttttcttcac aggattgttt gcgaagaaag tgtacgtgga ggagaattac 120
agagttggaa ggccgttcgg ggctctgatg ggtggcggaa ggaggctgct ggccggcgac 180
gtgattcaca tattgggtgg gtgcgggtgg gttactgtga ccatggcgcc gttggtctat 240
gtgcttcata tgatgaaact g 261

<210> 13987
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13987

ttgtatacac tatgacacgt atattttatt aactcatccc ttataattat atttgaagga 60
caaaacttat agtatccagt aagtgcctat agtggtctcc aattaaatgt tagagtttca 120
tctcagtaat ttctttaata aatgtttgca taaaaattac gaagatgaaa ctctaattat 180
gattagagaa caaaataaaa catacctata gaaattcttt cacacacaaa cttaatgcc 240
ttcaatagaa cacaaaaagt ctagatatgg tggcttatct aacatcctca acatgtctct 300
tagcttggtc aataatctct gaaaacactt tgtaattggt cttgtgaatg aaaagggtgc 360
ctgtntcggg tggtgaaga ctatgaagag ttctctgtta tgttgccact atgcttctct 420
ccgttgctct catagtctct ttgtagtcat ggtagtcttt cataaata 468

<210> 13988
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13988

tatagaaggt tcgttcctaa tttctctaca atngcatcac ctctcatatg agctggtgaa 60
gattattgtg gcatttaoct gnggtgaaaa acaagagcaa gcctntgctt tgctcanaga 120
aaagcttact aaggcacctg ttctagctct tctgacttt tctaaaactt ttgagctaga 180
atgtgatgcc tctggagtgg gagttggagc tgtattgtta caaggtgggc accctatngc 240
tttatttagt gagaaacttc atagtccac cctcaactac cccacctatg ataaagagct 300

ntatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360
cattcatagt gatcatcaat cacttaagta cattagaggg caaagcaagt taaacaagag 420
gcatngcaaa tgggtagagt acctagagca atttccatat gttatcaa ac 472

<210> 13989
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13989

gcaagctntc gcaactctctt cttcttctaa tctccgncta tttaaaccgt ttctgtgtgc 60
atttgagcat cgngttcggc gcactcgagc atcgtcacaa gtctctgctt cttctccttc 120
gctaccatac ctagggattg ttcgtctctt gtagtgctta actctactga gctttaaaag 180
attggctaag attttggtta aacataagca cttaaacaat gaaggaaagc tggagttgct 240
gcacatgatg tccaacgtta tgtcaaggaa taagatcggg ctgcacaatg cacaaggcaa 300
gataaaatgt caaatgaaga attgaagttg caggatccac catgtcggat acaatgtcct 360
gacatcctgc ccgagaatac tggcg 385

<210> 13990
<211> 354
<212> DNA
<213> Glycine max
<400> 13990

cgcaacaagcc ccgagccaat tctaacgata ataacttttt actcggatgg ccgaaataga 60
tctgtaatat atcgacacgc tcgaaactga atgatgaagc tctaagccta ttcaaacaac 120
aataacgtgt tactcggatg tccgattcag agacgtaata tatcgagacg gtcgaaattg 180
attgctgaac ctatgtgcc aatttaaacga caataactat gtactcggat gtctgattga 240
gtcccatcat atatcgagac gtcaaaatt gaatgttgac cctctgagcc aattcaaacg 300
acaataactt ttactcgga tgtctgaatg agtctcgtaa tatatcgaga cgct 354

<210> 13991
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13991

ttccttggaa gctaggtgct gtgaacaaac ttctattgaa acagcttggt caacccttgt 60
tttaacaagg gcactagaga aaccagcttc tctcatgacc ctactaatgc tagggtcac 120
aaggatagag actatgagct gctccatctc aatcttcaag gccagaatgg gttgctgctg 180
gttctcaatc gaaccgcggc gttgggtgagc ctgagcacgc ttgaaggctg caaccaaagc 240
atnggaaagt gagggagtgg tggaatatgg aggactcaca agaggggcttg gtgtgggtgc 300
tggcaaacgg ttgatggaaa cattgaagca aagttctagt gccttgattt ggagaggggtg 360
agagtggcat tgaacgaaaa cattgcggag aaggcctgtg gaagtagcaa gcatgacagt 420
ggcaatgtga agaggggcac ttgagcatg 449

<210> 13992
<211> 365
<212> DNA
<213> Glycine max

<400> 13992
ctatgctgca tagtggtaca atagacctac tctacctcag cagcaaaatc taccacagcc 60
gaacaattat gacctctcca gcaacagata caaccctgga tggaggaatc acgcttatct 120
cagatgggtcc agccctcagc aacaacaaca acagcctgct ccttccttac aaaatgctgc 180
tggcccaagc agaccataca ttctccacc aatccaacaa caacaacaac cccataaaca 240
accaaccatt gagggccttc cacaaccttg catcgaagaa cttgtgaggc aaatgactat 300
gcagaacatg catgttcagc aagagaccag agccttcatt cagagcttaa ccaatcagat 360
gggac 365

<210> 13993
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13993

agcttgacct tcggcaaggc attcaccata tacgtattgt cgacgaggac atcccgaana 60
tggattntcg tactcaccat ggacattnta agtataaagt catgtcgttc ggactctgta 120

atgccccctt cgacatttca ggcgactatg catgatcatg ttagaccatt tcttcgcana 180
attgtcgtgg tcttnttga cgacatcttt gtcttcagct catcactttc aaaccacctc 240
aaccacttgg aagttgtcct taaaaatcta tatcagggcc aattatttct atgccattct 300
aagtgtttgt ttactcataa caacttacac tacctaaggc atatt 345

<210> 13994
<211> 366
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13994

gcttctgatt tcaatttoga tcgtcttgat ctnatactgt actcaatctg acatccgagt 60
taaaagttat tgcggtttgc attggctacg agcttccgct ttcaactacg agcgtctcga 120
tatattactg gactcaatcg aacatcggag taaaaagtta ttgtcgttag aatttgttca 180
gtgctttcgc tttcaatttg gagtgtctca atatattacg ggactcaatc gaacatccga 240
gtaaaaagtt atcgtcgnta gaatttgctc atagactttg tttgaatttg ctacgagctt 300
tcgttttcaa tgtggagcgt ctcaatatat tacgggactc aattggacat ccgagtaaaa 360
agttat 366

<210> 13995
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13995

tgatgatgtc gagaagacat cacatgtntg tcatcatcaa aaaggtggag aatgtgaatg 60
tatgtataca tgatnttgat gatgtcaaag aagaatcaaa caaggctgct tcaaatgata 120
agcatttgct tcaacaaaca aagccttggt tcaagattca ctaaagacca agccttgctt 180
tataacagag tgctttcaag atatgcaagg ctctggtaat cgattaccag aagacagggg 240
tgagaaatag ctgttgaaaa agatntatga atttgaattt caacatgtaa tcgattacca 300
gcaacgaaac tcctgaaatt caaatcaaaa gtcatgactc ttcaaattat aactgtgtaa 360
tcgattactc anacattgta atcgattacc aggtgaaaag ttttcagaaa atatgctaac 420

agtcaca

427

<210> 13996
<211> 280
<212> DNA
<213> Glycine max

<400> 13996

gatagatgac catttgctga gcatagtttt ttaaaagctt gtctgaagcc actctttatg 60
ttaaacatca gagcaatgaa gttccgatga ttccacttta tgtcgatgat cttttggcga 120
caggaaataa tccagggatg attcaggaat tcaaacaaga aatgatgaag gtttttgaga 180
tgacagatct cgggttaatg accttctttc ttggatttga aataagcagg ctgagtatga 240
agtcttcatc tgccagaaga agtatgtcaa ggaaattttg 280

<210> 13997
<211> 349
<212> DNA
<213> Glycine max

<400> 13997

acatggtctg atggggccta tgcaagttga aagccttgga ggaaagaggt atgcctatgt 60
ttgtgtggat gattttctcca gaattacctg tgtcaacttt atcagagaga aatcagacac 120
ctttgaagta ttcaaagagt tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa 180
gagaattatg agtgaccatg gcagacagtt tgaaaacagc aagtttactg aattctgcac 240
atctgaaggc atcactcatg agttctctgc agccattaca ccacaacata atggcatagt 300
tgaaaggaaa tacacgactt tgcaagaagc tgctgggtca tgcttcatg 349

<210> 13998
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13998

gcttgtgtcg cactttcaac tgccgattct gaatatTTTT ctgtaagaag ntggggggct 60
caaagtcttt ggatgaagca atgacttgaa gactctggag taattcttaa tcatattcct 120

atgaaatgtg ataacacaag tgctattaat ctaaccaaga atcctgtcat gcattctaga 180
 actaagcaca tagaaataag gtatcatttt ctaagagatc atgtgtccaa aggtgactac 240
 tactttgagt tcattgatag tgaacataat tagcagacat tttcacttaa ctttttgta 300
 gagatagatt ctctcatatt agaaatgaac tacgcatatt ggatgcatct agcatagaat 360
 aaca 364

<210> 13999
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13999

tcgagcanaa tcagtccacg aaggaggcat atttgatatc atgaaatctc caagcataat 60
 gtcaggcaaa acgattcctt tcaatttcat gtcatagaca atgttttgaa attcatggat 120
 ctgatctgaa atagattntc catcaatcat ttgaaactca atcatttttt cacaagagta 180
 acgacttaaa cttttgtcag cagatccata tttcaattca agtgcttccc ataactcaac 240
 agaagntttg gtatggcaaa caatcttata tatgttatca gccaaagcac ttaaaatgcg 300
 tccatgacat aaaatatctn tatcaganac atcatgctta atgggttgcac cagtttgaac 360
 tataatcagta gaggaagtga agttttatct ctcttttagaa atacagagt 409

<210> 14000
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 14000

cgtaatcgat atcacatata cctgaatcga ttaccagagc agattttcat aacatattat 60
 caacagtcac atctttttat gtggctcttg aatggctatc agaggcctat atatatgtga 120
 ctcgagacac gaatttgcta agagttcttt agaacaaaaa ggtcttatcc tcttaaaaag 180
 taaaatcggt ctatctctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240
 ttatttgaat tctcaaattg ttcaatctat ctctctcaag agagatttct tcttttcttc 300
 ttcttcattc tgaaaaggga ttaagagacc gaggggtctct gtgtgt 346

<210> 14001
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 14001

ttatgaccat ttaagcaaca tataacaatcc aggatggagg aatcatccaa aatatgagat 60
 ggacaagtcc tccacaacaa caacaaccta ttccttcttt ccagaatatt gttggtccaa 120
 gcaagccata tgttctctct tcaatgcagc aacagcagca acagtcacaa cagagacaac 180
 aaagcattag atgagttagt gaggaaaatg acaatccaga atatgcaatt tcagcaagag 240
 acaagagcct ctattcagag tctga 265

<210> 14002
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14002

ctgaatggag gctctggtct cttgttgaat ctgcatgntt tgcattattca tttgcctcac 60
 aagttcttca agggaagggt gcggaggagc ctcaactgtt tgctgttttg gggctgttgc 120
 tgttggtttt gttgctactg gattggtgga ggaacgtatg ctctgcttgg gccagcaact 180
 ttctgaaaat aanggtgctg ttgttggtgt tgttgctgct gttgtgaagg aattgaccat 240
 ctaagggtgn gatgattcct ccaccaaga ttgtacctgt tgctggagag gtcataattg 300
 ttctgttggt gctgcttttg ctgctgaggt tgaggaggtc tgttgtagat gtttgagca 360
 taagcttcag gctgttcaat tgcttcagat tgttgacag aagggcaaag gtttgtagtg 420
 tggcccacag aggagcatan accacagagt ctggcgata 459

<210> 14003
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14003

cagttgcatg aaccacacat gatgactcat taattcaatg gtttatgtta tattnttttt 60
 tcttccattt tctttcttag ataaactcaa agtaaaaaag aaaactttta tctgtttctg 120

ggacaccctn ttttgagtaa agttgtttgt acctctttct aaccacttta tttttcagca 180
 ttggaagtct agggaaagac aactcaacag gcatagtcac gaaagtgatc ttggatacag 240
 cagttcttag ggagactacc aacggtctca gaattaagac ttggcaggta gtatctcaat 300
 cttgatgaaa attatcttaa tctttcaata aatatataat gtcattattc tagtttttat 360
 cattattatc ccttggtgaa agaatatgtc acaccctt 399

<210> 14004
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14004

ctgcatctga caaagatgat ggcaaactct cttcangata tgcnctctct gtaaattgng 60
 gngcattcag ttggaaaagt tccaagcaag ctacggtagc agattcaact actgaagcag 120
 aatatatagc ggcaagtga gccgctaaag aagttgtctg gattaataag ttcatatatg 180
 aacttggtgt ggttccttca atagaagagt cnggccatt attgtgagac aataatgggg 240
 c 241

<210> 14005
 <211> 224
 <212> DNA
 <213> Glycine max
 <400> 14005

caatcaaatt aaatcttaga gggggaggtg agaatttgct tactatttcc cattgccaca 60
 tcatatagtc acactttgtg catgtacttc atgctttaca tgcctcatga cacctaagca 120
 cacttagtgg agaatcttgg aattgatcct ggatcattgg gctgaaccat aactaaaatt 180
 cactaatcat aattagtga atcttggtc caaagtttgg ctcc 224

<210> 14006
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14006

ttggatagtt aagccttatt ctaggccata cagacttcag tggcttagtg aagataaaga 60
 ggtaanagtg actcagcagg ttgaggtgtg tctcaccatg gaagatataa tgataggggtg 120
 ttgtgtgatg tgcgtccaat ggaggcgact catatactgt tgggaagacc atggcaatat 180
 aacaccaaag cagtgcata tggcttcacc aacaagaatt ctttcagca ccatgaccag 240
 aagaatattc ttaaacctct accc 264

<210> 14007
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14007

gagttccagt gcacattcgt cttcttcttg tgtccagtct tcttctgac ttcatccta 60
 gtgnngettc cttctatgtc cagcatcttg ggatgttccc agcctttgat gacagctntc 120
 caggttctgc tatccagtga tntgaggaag gccaccatcc ttgctttcca gtattcatag 180
 ttggttccat ccagaattgg tggctctgtc actggctctc cttcttctc catgttcac 240
 agaaattatc tccctagatc tcaactcagt acttcagagt cccgctctga taccaattga 300
 aattctgata ctggggacag atgtcgt 327

<210> 14008
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14008

gtactatcan gccagaaga tattgtgtat gatgggtatg gaatattaca agaatcatgc 60
 ttgtccgaat gattgcatac tgtacagaca tgaatttaag atatgtgcaa atgccctatg 120
 tgtgttgat cacattacan agtgaaggat gatgactact gtaatagtga tgaaaactca 180
 aagaac 186

<210> 14009
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14009

tttggtcaga gcttcaacat tcaatttaca gcgtctcgat atattacggg actcaatcag 60
acatccgagt aaaaagttat tctcgtttca atttgctctg aggttcagaa ttgaatttcg 120
agcgtctaga tatattacgg gactcaatca nacgtcctag taaaaactta ttatcgtttg 180
aattagctca gaacctcana atttcaattt gatcgtctcg atatattacg ggactcaatc 240
atacatctga gt 252

<210> 14010
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14010

tcattcagct tgaagagaat gtcatganac actgtatata ccagaaggtc agtgggagta 60
agaattgttt ccttgtatta tacgtagata atattctact tgccgggctaa tgaaagggta 120
tggttatatga agtgaaacaa tttctctcan agaattttga tatgaaggat atangagagg 180
catcttatgt catangcata nagatccata gagaaagatc tc 222

<210> 14011
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14011

tcttattcct ctccatagtt cataataagt cnttttaatc aatgggtccca tctatattat 60
gttttgaaca tagcangcta tgtttaccgc ttctccctag aangtttttag gaaagtgagt 120
ttcacaaagc atgggtcctag ccatttcttg cagaagttta tnntttcctt tcaactaccc 180
gatttggtga ggtgttctcg gtgaagagaa gttaaggaag ataccattct nttcatagaa 240
tgatttanac tcaacattct caaactcaat ttca 274

<210> 14012
<211> 336
<212> DNA

<213> Glycine max

<400> 14012

atgaaatgtg agaaatgttg atataaagat ttttggatta gattatttat atatctaata 60
attacatata tattaactt aatttctttt tgtaaagtga cttattcccc ctgcatttgc 120
ttcatttagt attactaatc atctatgtaa attaatntag atatgaaata aataaagata 180
ccagatatgc tacctatttc tttccagatc actatgtaga gtcacctcgt tatcaatgac 240
catgctgata ggaagtaaatt ccgatgatga aaaatgaaca ggacatatgt catctaaata 300
tttatatata aagaattatc tgacaaaaaa tactta 336

<210> 14013

<211> 212

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14013

ggagacccat tgaccagcac taatataaat gatgatctca gacactcagc tatccaacat 60
accattnta catagaagcc catatgctct agcatgtaga ggaggaactc ccagctcact 120
gagtcatatg ctttcttata gtctagctta gagactaagc atcttttctt acatctcctt 180
gcttcatcaa tagcctcatt agcaacaaca ct 212

<210> 14014

<211> 235

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14014

cagttgaata ttcctgtggt cctgtatgc cttctcatca aaattcagaa aatttagagc 60
ccaatatgct gtgtgttcca tttcaactcg gaaatgacat gattctccat acaccagttg 120
ataaggagat aagccaatcg gggctctgta tgaagttctg taagcccaca gtgcatcttc 180
caatntgggt gaccaatctt ttctagtga cgccactggt ntctctaata tcttc 235

<210> 14015

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14015

ctctcgagaa atccaatgct cattatctnt aactcggatg tctganttan gcgcataata 60
tatcaagacg ctcgaaatng aacaacggaa gctctctaga aattgaaatg gtcataactt 120
ttcactccga gggctcgantc aagtgcata tatatccaga cgctcgaata tgaacaatag 180
aagctctcga gaaattcana tggtcataac ctttaacttc gaggtccgat tatgcccata 240
atatatcg 248

<210> 14016

<211> 114

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14016

gatacagcan gggagaatct aacacanttt cctctgacan acactntgtg atactcatca 60
ctctttctgt ctgtatgtca gagggaaatgt tgacaatgaa ttccctgact agac 114

<210> 14017

<211> 202

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14017

tcatcacttg cgggaatgga ttcgtgtgga ggacccctca ntatntgaga cagcccacgg 60
aacaagtgtg tgggtggcttc ttgagaaana ccctgaatat nttggtctct tcaatgaggg 120
tatggcaagt gattccccgaa tagtatactt ggcaatcana aatagcactt cagttattga 180
ggcgctagat tccatggtgg at 202

<210> 14018

<211> 206

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14018

tgcattggagt ggctgaaaga atggcagaaa ctcccttata cttcacctta catcaatgcc 60
 tctcattngg atccccgtac tgatgtatct gagagaaaga tagtnggagt cttccatgag 120
 ctcccttcac tcacactcca taagcanact gagcgcaaga acgtagcaa cttgcgtaga 180
 cccttgcccc tacctcatga agttac 206

<210> 14019
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14019

ggtgttattg aagaacatgc ttctgaaca taacacattg ccgaaaaatc actacgagga 60
 aaaaaaagat tttgtgtcca gtaggaatgg agtacaggaa gatccatgca tgcctaatg 120
 attgcatatt gtatagaaat aagtatgcaa aactacggca atgccccacg tgtgggggtat 180
 cacgatacaa agtgtagtct gacgaattaa ctgatgatgc aagaaccaa aattgtcgtc 240
 ctgcaaaggt ttgtggtat cttccaatca taccaagggt taagcgattg cttgctaata 300
 gacatgattc anaanacctt tcatggcatt cagtggacag aaaaagtgat ggcttactac 360
 gacatcctac cgattcttca taatggaaga caattgattg tttgtatcca gagttta 417

<210> 14020
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 14020

actaagcttc aatgggcacc gcttcattct tgtggcaata gattacttct atcaatgggt 60
 cgaagcggct tcttatacta acgtcacgag aagtgtggtg gtcagattca taaagaggga 120
 gctgatttgt cgatacggac tccctaggaa gatcattact aacaatggca ccaatctgaa 180
 aacaaaatga tgcaggaaat gtgcgaggat ttcaagatcc agcatcataa ctgcaccct 240
 tattggccaa agatgaatgg ggttgtataa gctgcaaata ataattataa gaagattgtt 300
 cagaagatga cgggtgcata caaagattgg catgagatgt tgcctttcgc cctgcacgga 360
 tatagaacct 370

<210> 14021
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14021

taagcttact tactcccata cttctaccat gtgtaaaagt gttgttttct tcattctgcc 60
 acaccattct gatccggaga actatgcata gtgtactggg taataatccc atgttcttga 120
 agaaatgttg caaatggacc tgggtgcttg ccatcctcgg tgtatctacc atagtactct 180
 ccacctctat ctgatctcac gatcttaatt tggtttccac attgtttctc aacttcagcc 240
 ttaaaaactt taaagacatc taaagcttca ttcttataat gaaggaagta gagagacata 300
 tatcttgaat gatcgtctat aaaggttatg aagtcattca gactatgtgc attcatgtct 360
 ggacaacata tgtctgtatg tatgatntct aataaattag aacttctttt tgcac 415

<210> 14022
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14022

atgatgttan tttatgggaa gtgaaagatg gacctcaagg ttctctcatt ccatgattaa 60
 tcttatattg ttataacact tgctataaaa ttgtttaaga tgttattggt gctgctatta 120
 ttattactaa atttgaatgg attgatatgt tgatatggaa tgaacatcat gatgaacttc 180
 tacaaatttg catgaacttg tatgtatgcc tatgaacaag atgaacataa gaggaattaa 240
 aaatatctag ccctttgatc tttatgcggg atgtgacttt agctactaat gctagtactt 300
 acttatttta attattatta ttataactat aatgagaata tttatttgaa gacaaaaatg 360
 gtctttatat a 371

<210> 14023
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14023

agctntgcaa ctnnttgtcc ctggctcttt tgtcaggatt caaactattc ctatactgga 60
cgagtccaac caaccaatcc caaacaaggt catattccat cgactttttt ggtcatttaa 120
ggcatgcatt gatgtgtttg cattttgtaa acccattgtg caaatcgatg gaacatggct 180
atatggaaga tacaaaagga cattgttagt tgcaattgga caagatgggtg ctaataacat 240
atttccattg gcatttgcca ttgtcgaggg tgagatagca gatgggtagc actttttttt 300
tgcaaaactt gatagcacat atgacaccac aacatgggtat atgcttaatc tctgacaggc 360
acgattcaat caaaagtgca tacagatgac ttgacagtgg gtggacagca gacaactaca 420
tgtg 424

<210> 14024
<211> 409
<212> DNA
<213> Glycine max

<400> 14024

tgaaggagaa ctggatgcca tgggttaactt ggtaacctag ctggccttga atcagaaatt 60
tgtatctgtc gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
caatagacct cctcaacctc agcagcaaaa tcaacctcag cagaacaatt atgacctctg 240
cagcaacaca tacaacctg gatggaggaa tcaccctaac ctcagatggg ccagccctca 300
tcaacaacaa cagcagcctg ctccttcctt ccaaaatgct gctggcccaa gcagaccata 360
cattccttca ccaatccaac aacagcaaca accccagaaa catccaaca 409

<210> 14025
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14025

agcttaacaa aaggcatgcg atatgggttg ttttcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaaggg tatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattgggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaata tttaaaaatt gtgaaaaatt atcagaaaat ggtttcttta 240

gacatgaagg ctntcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 attttcttgt ttgtgaagca catgaaggag gtttaatggc gcattctggg gtccataaga 360
 ctctataaac attacaagaa cgattttatt ggcctcatat 400

<210> 14026
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 14026

tgatggaaaa ggaggtgtta gagaaagctg gagtctatgt gttatgccca tcgttctggg 60
 aatagaaaat ttatcttaac ttataacgcg tttggtaggg aagaatttga aagcttggaa 120
 gcaatgccta ctccatgctg aattttctta taataaggta ttaagctgta ctacttattc 180
 tccttttgag gtagtttacg ggttctagtc cactgccctt tcttaatttg ttaccttggc 240
 ctaacacttc tgctttgatg aatacgaatg ggctttctaa agccaatttt gtaaagaggt 300
 tgcattgatat agggaaaaca caatttgaga ataagaatga acaatatgct ggatattcca 360
 ataaggcgag aaagacaatg a 381

<210> 14027
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 14027

cggaagctct cttgataatc tagtggatcat aaattttcac acagatgtcc gattcgggga 60
 aataatatat cgagacgcac gaaattgaac aacggaagct ctcgagaaat ttgaatggtc 120
 ataacatttc actcggatgt tcgatccggg gacataattt atcgagacgc tgcgaaatga 180
 acaaccgaag ctctctacaa attagaatgg gcgtaacttc tcacgcgaat gttccatttc 240
 gggacataac tt 252

<210> 14028
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14028

tctatggtct atngtcttct gcagatcacc atacagatct ctgtccttct ttgcagaaat 60
ctggagtcaa tgagcaacct gaagcttatg ctgcaaacat ttataataga cctcctcagc 120
agcaaaacca acaatagcag aataattatg acctttcgag caataaatac aatctagggt 180
agaggaatca tccatatcta agatggacaa gtccctccaca acaacaacaa catgtccctc 240
cgttccagaa tgctgctggt ccaagcaagc catatgttcc tcctccaata cagcagcaac 300
aacaacatct gtcacaacaa agacaacaag caactg 336

<210> 14029

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14029

cttgatatat tttatggact tatgggcact atgaacgaca aattccttgg gataaaggta 60
gtgttgccat gttttcaaag ccataactaa ggcatacaat tgttcttctc taagcacagt 120
caagacagat tttaaataat caatatgcaa atcaagtga ggcgtataga taagaatctc 180
ataaaagtac accacaacga actttcctat gaactctctc aagatatggt tcattagtct 240
catgaaagtg ctatgagcgt tagttaggcc aaaatgcata accaaccatt catacaaacc 300
atattttgtt taaaagcagt ttccattcat ccncttctct aacctaatg attgatccac 360
ttttaaatcg atgtagagaa gtacatgcat catgaattca tcaagcaatc a 411

<210> 14030

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14030

actacgctga tctgaactga tctgatcctg aatcaatttc ctgttgaacc ttgaagtgtt 60
cttgattcaa tcttgaactc attctttgat tcttgagatc atcatctctg ctatcatgaa 120
gtgttcttga cctttgagct ntttttcac acctttgtta tcatcaaaac ttctttgaat 180
caatcttgat tcatcataaa tcttgcttct acaagatgga tactgttgct tcaagaattt 240

gatttagtca tcaatgacaa gaaaggttct gaaaatgtgg tagcagacca cccatccata 300
 ttggtgaatg aagatgtcac ttcaaaagag gctgaaataa gagataaatt tcctgatgaa 360
 tctttgtttt tgatcgcaag gagaccctgg ttcactgata tggctaattt caatgcggaa 420
 ggtgtcatac caaaagatct aa 442

<210> 14031
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14031

agctngctcg tcttctgat nattatcatg tctacttttc tgangatgac cgaggaacaa 60
 ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct tttccactt 120
 gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240
 aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300
 tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcgcttgatg 360
 atattgatat tattcgaaca cttaccgcan agaagtctcg gaaaggac 408

<210> 14032
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14032

agcttcacan aagnntatat ggcttgaatt ttgcaccgag ggagnggtac aagaagttta 60
 atgagtttat gagcaactca ggattcaaaa gatgtgacat ggaccattgc tgctatngta 120
 aaaaatatac taatagttat gttatccttg tcgtgtatgt tgatgacatg ttgattgcag 180
 gatctagtat ggcagaaatt aacaggttga agcagcagtt ggcagaaaac tttgaaatga 240
 aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcaaaag 300
 gaattttgaa gttgtctcag gagaaatata tacacaagtt gtttgacaag ttttaccttg 360
 aagattctaa gaccaggaat accccttgg gatcttattt gaaagtttca ag 412

<210> 14033
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14033

taaattttga gaacaaaaaa aaacaatcaa aaataaaaaat tgttacctta actccctctt 60
 cctctatttc taattatcca agttttttac ttattcatgc atagttnntt tactgaagtg 120
 tattattata agtattttata taactatttt tttaattaaa attagagttt tactgtggta 180
 aagtgttcaa tttttattgt ctttattgtg cgagttacta agtgaaactc taatttttagt 240
 ttaaaaacat tagaaaaaac atttaaggta ctactcttac gttttataaa aaaataaata 300
 gaatagattn tggcatatat tatgaaatac aaaacaatac ttagtcgata aattntaaat 360
 agacaaaaag taatcaattc acctaa 386

<210> 14034
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14034

gagtatgtaa aactcagata ttgcactatg aacagtgtta aaattctgat gtcattcttt 60
 ctgaattatc agaatagttt atggtttgca aattgcttgt aggaacaatg ttttgaagga 120
 ccaaagatct aaaaccctca aacaacagag agaggaaaaa cggaaagctg atgaagctag 180
 tggagatact aaagcatgga atagtctggt catgcgtcct gatacagtat gttcttgaaa 240
 cttgataaat ngcaaaccct tattctagta tttcagtttt tgggtgaatag ctgagtagtc 300
 aacagtaa at taaaattctg aattatgctt atcaatatct taacttttca aataaaataa 360
 caaccttttc ttattagttt tcagcttttc cccaatatgg tgcttgccca tg 412

<210> 14035
 <211> 159
 <212> DNA
 <213> Glycine max

 <400> 14035

taactcttca cactggtgtc cgattcatgc tcatcatgta tctggacact ctaaattaaa 60
 tcattctgaa actctcgaga aattcaaagtg gtcataacat ttcacactga tttgcgattc 120
 gggggcataa tacgtctaga ggctcgaaat tgaacaacg 159

<210> 14036
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14036

aaacataaga gatgagttca attgtatatt tgaattgttt gtgaaatttt tttgacaagt 60
 caaaactttg tctaagacag aagaaatgaa cttttaaaaa gattcatcct aaggtgaata 120
 tataaataat tgggtctagc tgggaggaac acaatttata aaataacttaa gcaaaaatct 180
 ttttgataac ttacaaactg tacaattaaa tctctctttt aattaggggtt aagttaaaga 240
 cgattcaacc ttatgttaat gataacaaca aagaaaaata ataaaaataa aacacaatta 300
 gccaacatta tgtattcaaa ttgaattgat tcttaaaata ccccatgtt ttatttttaa 360
 atntaccaat atcgcttacc gtacaatact atatcaatgt atgtatgaaa caaccatgtn 420
 anaatcaca 429

<210> 14037
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14037

ttaagtcac agagtcacct cccctatgcc aacaatcttg cttgtgacaa ggttgcccgt 60
 cttcactgta ccaaaatccc ctttntgata tgacgagaaa aatccttcat aagtagtaac 120
 atggaaggat gctctagatt caattatcca tgtaaaataa ttagatgcaa tatttaaata 180
 atattcatta ccaataagaa aaacattctc atcgcttgat gtcacaacag tagtggttct 240
 accttcattc ttcttctttt ggtcaatttg attagcatgg acagttctag tcttctaacc 300
 tctcttcaag aatctgcact caaactttnt atggcttgaa tttccacagt agtagcaact 360
 caagcctttg gggtgagact tggatctttc tc 392

<210> 14038
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14038

accgggacat gtggatcgtg tgggtngatg gatcatcaaa cgttctaggg catggcattg 60
 gagcagtatt ggtctctcta gacaatcaat gtataccttt catatccggg ctgggggtttg 120
 actgcaccaa caatatggtt gagtatgaag cgtgcgccct ggccatccag gcggcaattg 180
 actccaatgt caagctactc atggtgtacg gtgactcagc actggtgatc caccagctga 240
 gaggggaatg ggaaactata gaccccatgt tgatacccta ccaagcctat atcaatgaaa 300
 tggctgggttc ctttcatgag atcttcttgc atcactgttc ccgagaggaa aataaaatgg 360
 ctgatgcgct cgccactttg gcgtccatgt tccaactaac accgcacgac gacctaccgt 420
 acattgagtt c 431

<210> 14039
 <211> 318
 <212> DNA
 <213> Glycine max

 <400> 14039

actgaatcag acatcagagt aaaaagttat tgtcgtttga attatctcag agcttcggta 60
 ttccagtcag agcgtctcga tatattacgg cgctcaatca gacaaccgag taaaaaagtt 120
 attgtcgttt gaatttgctc aaggcttcgg aaatcaattt cgagcgtctc aatatattac 180
 ggtactcagt cagacaaccg agtaacaatt tattgtagtt tgaagttgct cagagcttcg 240
 gcattcaagt cctagcgtct cgatatacta cgggactcaa tcagacatcc gagcaaaaag 300
 ttattgtcgt ttgaattt 318

<210> 14040
 <211> 318
 <212> DNA
 <213> Glycine max

 <400> 14040

ctatatgaga catcttgtct aacaaatgca cgtaacgag aactcgctg tgctttttct 60

tccatgctat aggtatcaaa gtcattgatc caatcatggt tgatgatcgg gaaaatgagg 120
cctgtaatat actgtgccac gtggagatgt agtttcccc tgctttcttt gacatcatga 180
ctgacttgag ggtgcatctg gtcagataaa tcatatgttg tgggcctgta tatctacggg 240
ggatgtactc ggttgagcga tacatgaaga tcttaacatg gtatacagag aatttataat 300
gcacacaaac acccattg 318

<210> 14041
<211> 394
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14041

acacttctta tgttgggttag agctcggaga aagcctcacc ttatgaccga aagtgggtaca 60
acaaaccacc gagaaagttt atttaatcca ggaaagggtga ggactgctca aagtangcaa 120
aaaatttatc atgataagag gaggaagat ctggaattcg aggttagtga tcatgtattc 180
ttgagagtca ctccatggac tggggttggt caagcattga aatcccga aaactcacctcg 240
ctttattggt cttttccaaa ttcttaagag agttggccct atggcatacg aaattgcatt 300
acccccatct cttttctaate ttcaaatgt ctttcatgtg tttcaacttc ctaagtatat 360
ttatgatcca tcccatgtga ttgaatngga tgat 394

<210> 14042
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14042

tcttactccc ttgacattca ctgaaggagg tagcttgtca atcacatcaa tcttagctnt 60
gtctactaca atccccctca cagagattat gtggcccaat acaattcctt cttgaaccat 120
aaaatgacat ttttcccaat taagcactat gttggtctct tcacatcggt gcaagactcg 180
ctctaaattt gctagacagc aatcaaaaga tgagccgaaa acatagaagt cattcgtaaa 240
cacttcaatg cacttctcca ccatgtcagc aaatattgcc atcattcatc gctgaaaatt 300
cttatgagca ttgcaaagat cgaagggcgt tcttctataa gcaaacacac caaaagggca 360

ggatgaattct gtcttttctt ggtcatttgg atccatagca atctgattgt aaccagagta 420
tccattcaag aaacagtga atgatt 446

<210> 14043
<211> 353
<212> DNA
<213> Glycine max

<400> 14043

agcttataat atatcgaggc gctcgaaatg tttacttttag ctcttgagaa attcaaatgg 60
tcataacttt taactcggat gtccaattca tgcgcattcac atatagagac gctaaaaaat 120
gaacaacgga agctcttcaa aagataaaat ggtcttaagt tttcacactg aggtccgatt 180
caggcttata atatatcggg gcgctcgaaa ttgaacaacg gaagctctcg agaaattcaa 240
atagtcataa cgtttaactc ggatgtccga ttcattgcgca tcacatatag agacgtcaa 300
aatgaacaa cagaagctct cgagaaatta aaatgggtcaa aacttttgac act 353

<210> 14044
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14044

gagccaattc aaacgacaat aacaatttac tcggatttct gattgagtcc cgtaaaatat 60
caaaacgctc aaaattgaat gttgaagctc tgagcaaatt caaatgacaa tcactttttt 120
actcggatgt ctgatggagt cctataatat atcgagaggc tggaaatgga ataccgaagg 180
tttgagcaaa ttcaaacgac aatattgttt tactcggatg tctaattgac tcccgaata 240
tgtggagacg ctcgatatgg aataccgaat ctctgagcaa attcgaacga caataaattn 300
ttactcggat gtctgatnca gtcctgtaat atatcgaaac gctcgatatt gaatgttgaa 360
gc 362

<210> 14045
<211> 398
<212> DNA
<213> Glycine max

<400> 14045

agcttgctgt aggccataaa tcgccttggt atgtctgcaa acttggtgct tgttgaaga 60

cacaaaacca ggggggtgaa tcatgtaaac ctcttctca agaacacccat tgaggaaggc 120

attattaaca tctagtttct gaagaggcca gttgtgagac agcaagagaa agaataagtc 180

tgatcgtgac aggtttgatt acaggggaaa aggtctcctt ataatcaaac cccaattgct 240

gatggaagtc tttggcaaca agcctggcct tgtacttatt aacagacca tctggatttt 300

ccttgaccct aaaaacccat ttgcaccaa ttgttgttct ggaagcagga agatcaacca 360

aggtccaagt gtcatttctc atgagtgcac cataactca 398

<210> 14046

<211> 441

<212> DNA

<213> Glycine max

<400> 14046

agcttatgct gcaaacattt ataatagact tcttcagcag caaaaccaac aacagaagaa 60

taattatgac ctttcaagca atagatacaa tccagggttg aagaatcatc caaatctgag 120

atggacaagt cctccacaac aacaacagct tgtccatcct tttcagaatg ttgttggtcc 180

aagcaagcca tatgttctc ctccaataca gcagcaacaa cagcagtagt cacaacaaag 240

acaacaagca gttgaggctc ctctcaacc ttccttagaa gagttagtga ggcaaatgat 300

catccaggat atgcaatttc agcaagagac aagagcctcc attcaaagta tgacaaatca 360

gatagggcag tggctactca gatgaaccaa gtcagtcctc aaaattctga ccaattgctt 420

cacaactgtg cagaatcaaa a 441

<210> 14047

<211> 391

<212> DNA

<213> Glycine max

<400> 14047

agcttagtgg cttagtgaag atgatattta aaagtgactc aacagggtga ggtgtgtctc 60

accattggga gatataatga caagggtgctg tgtgatgtgg tcccaatgga agcgacccat 120

gtgctgttag gaagatcgtg gcagtatgat accaaggcag tgcattgatg cttcaccaac 180

aacatctctt tcaagcaagc tgacaagaag attgttctca aaccgttatc tcctcaagag 240
gtttgtgagg atcagataaa aatgagagaa aagaaaaaga gtgagacact cgagaggaaa 300
aagagtgaga cacttgagaa cgaaaagtga ggaaagaata agagtgaaac actcgagagg 360
gaaaagagag aaaacaaaaa gagtgaaca c 391

<210> 14048
<211> 222
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14048

agcttctgtt gttcaattnt gagtgtctcg ttatattatg cgcttgaatc gaacatccga 60
gtgaaaagtt atgagcatct gaatttcttg agagcttacg ttgttcaatt tcgagcggct 120
ccacatgtga tgatcctgaa tcggaccacc gtgtgtatag ttatgaccat ttgaatttca 180
cgagagcttg tgttgtcaat ttcgacggtc ttaatatgtg at 222

<210> 14049
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14049

agcttgngcc cattctgatt cttcttattt ctactcaact aggattctca aagaaggagc 60
ctccaactca aacgggagca caaccttcat cccatacacc aaagagaaaag gggttgcccc 120
aatagatgtg cacacagaag ttcgataacc atgcaatata aaggggagca tctcgtgcca 180
atccttgtat gacacggtea tctcctaaac tatcttctcg atatttttat tggcaacctc 240
aattgcccta ttcattcttg gccgataagg catggaatta tgggtgttga atttgaaatc 300
cttacatatt tccttcatca tcttggtgtt cagattagtg gtagtatcgg tgattatttt 360
cctaggcaac ctatatcngc aaattatctc tttcttgatg aatctaata ctacattctt 420
aggcacacta gcatat 436

<210> 14050
<211> 359
<212> DNA

<213> Glycine max

<400> 14050

agcttgtaat cgattacaca cttacttgta tctaataaca gaggagattt tcagaagata 60
ttctcaacaa tcacagcttt tcatatgggtt cttgaatggc catcaaaggc ctatatatat 120
gtgacttgag acatgaatct gctaagagtt tttcaaaaca acaagtgttt atttctctcaa 180
aaagcaaaat ccgtttatcc tcttaagaac tccttggcca attcaattgc aattcattaa 240
ggaatcattt gagtgtcag attgtaaaat ctatctcttt caagagagag tcattcttct 300
tctctttcta attcactaag ggattaagag accgagggtc tcttggtgat aagaattct 359

<210> 14051

<211> 387

<212> DNA

<213> Glycine max

<400> 14051

taaatatgag cagatgttat cagaccttac aaagaatctc ctgctatgaa aagttgtcgc 60
atgtaagttg atgctaattc ctttttctgc tactaacaga taagttactt attgtgaatt 120
atgttttctt taataccttt ctattaatga tatttggata caactacaga catgtacaca 180
gtggaatatc aaaaacgagg acttcctcat gtccatttat ttttattttt acatgccaac 240
aacaaatatg catctccaaa cgatattgat catattatat cagcagaaat accttgacag 300
aaagatgac cagaactcta taaattagt caaaatcaca tggttcatgg tccatgtgga 360
attttgaggc ccgcatctct atgcatg 387

<210> 14052

<211> 245

<212> DNA

<213> Glycine max

<400> 14052

tttcaatttc gagcgccacg atatagtacg ggacacaatc ggacatccga gtaaaaaggt 60
atagtttttt gaatttcctc agagcatcag ttttcaattt cgagtgtctc catatattac 120
aggactcaat cagacatccg agttaaaagt tattgtcggt tgaatatgct acgagcttct 180
gttttcaatt gcgagcgtct agatatacta agggacacaa tcgttcattc gagaaaaaag 240

tgaat

245

<210> 14053

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14053

agctntcatt cctatttctt ttctcacttc tgcattcata attaaaacaa agtactagt 60

ttacattaca cacaaatata ctttgtttca gtttcttctt taaatgaaat attaattatg 120

cttgaagaat cttttaaaat tccaatttcc tcaatttgat tatctttata tctcatggaa 180

gatttttaat aacaagttaa tacataatgt aattaaagtt ttcaattgat taattttttt 240

tttaaatgac atccataata aacaattact atatatacaa aagaaaacaa aaatcggttaa 300

aacacatact taaacaacaa taatcataac tagtatggat gtatgattnt ctaaagtta 360

acacaaatct atgttgtaat tcaattntac atcatg 396

<210> 14054

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14054

agcttctcca taatttccac atgtctcact tacaggtaca agggaagtat tctccaaatt 60

aaaaacccta tattacgcta gcccttcact cttccctcac tctaggtact cttcttcgtg 120

gtatccaaag cccagaaaca ccccttcata atattgtcaa tgtaggtgaa atcccttgcc 180

acagttcccc catcaagaga ctngaatac ggaatatgct tccccttgag aatgtccttc 240

gtgggtaatg gggacaacgc caaagagcat gcaaaggagg gcaacatcat tgaggttggt 300

gtcaacgaca aagatgct 318

<210> 14055

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14055

cccaccatTT tgtcatagaa aacactggTT atgtgtctac tattattgtg atcatctctt 60
tctccgtcat tgtaggTgcc acttgagctg ctagatccct ccacctctgg acatattgct 120
tgaaggattc atgctctttt tcacacatgt tctatagttg catgctatcc gaagccatat 180
caaaattgta ctgatactgc ttaacgaagg caaccattat gtcccttcaa gaatggactc 240
gggaaggttc caagttagcg taccatggaa cagctacccc agtaagactt tcttggaa 300
aatgtatcag tagttcctca tcttttgcgt atgcccccat cttccgacaa tacatctnta 360
gatggtcctt ggtgcaagta gtccacttgt acttgtc 397

<210> 14056
<211> 364
<212> DNA
<213> Glycine max

<400> 14056
atccttaagc gacctgcggc tgcagcttga gcaatgaaat gacatatctt atatcacgga 60
tgtccggttg agtcccgtaa gatatcgaga cgctcaaaat ttagatccga agctctgaga 120
aaattgaatt gacaataact ttatacacgg atgtccggtt gagtcttgta atatatcgag 180
acgctgcaaa ttgaaaacgg aagctcgtag gaaattcaaa cgacaataac tctttactcg 240
gatgttcgat tgaatcgggt aatatatcaa gacgatcaaa attgagacta gaagctttga 300
gcaaattgaa atgacaataa ctttatacac ggatgtccgc gtgagtcccg tgatatatcg 360
agac 364

<210> 14057
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14057

cagcttaaga ataatggtct caacaaactg cttatttcta tattgaaatt caatcaatag 60
acctccaatc tttaatggag agggttacca ctactggaaa acccgaatgc aaagttttat 120
tgaggcaata gacttaaaca tttgggaagc catagaaata aggccttata taccaccac 180
agtagaaaga accacaatag atggaagcac aacaagtga agcacaataa tagaaaaacc 240

tagagataga tgggtctgaag agtatataag acgagtaaaa tataatttaa aagccaaaaa 300
 cataattaca tctgccctac gaatggatga atatttcacg gtttcaaatt gtaagagtgc 360
 taatgaagtg tgggacactc tacatgtaac acatgaatgg cacatagatg ttanaagatc 420
 tatgataaac acattaactc atgaaatatg aactatt 457

<210> 14058
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14058

agcttaagaa aaagatggcc tcagtattct tcttatttcc agaagggaat tctatcaata 60
 gacctccaat ctttaatgga gaggggttacc attactggaa aaccggaatg caaattttta 120
 ttgaggcaat agatctaaat atttgggaag ccatataaat agggccttat ataccaccca 180
 cagtggaaag agtttcaata gatggtaggt catcaagtga aagaataact atagaanaac 240
 ctacagatag atgggtctgaa gaggatagaa aacgagtaca atacaactta acagccaaaa 300
 atataataac atctgccctg cgaatggatg aatatttcag ggtttcaaatt tgtaagagtg 360
 ctaaggaaat gtggaacact cttcgattaa cacatgaagg aactacggat ggtaaaagat 420
 ct 422

<210> 14059
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 14059

atttattatg aaaacattca agttcaaaga gacttggAAC tcattggcttt ttacctgtt 60
 tccccaccta gcatgcgact ctagaattat gctttcttct tgcggtgtta ttggaccctg 120
 cgtgtggtct ggctcaagt aattcaccca tcttaatctg cagctcttcc catttcgttt 180
 agtgggtgtg agagaataat aattgatcaa tcatttggac aaaaaaagag atgataaaaa 240
 cgatgatgaa gaatgatact catgagtcaa gagttaagaa taatataaaa catgatctcc 300
 aaaggctaaa tgaaaaactt atgtgtaagg gt 332

<210> 14060
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 14060

gaaggcttta aattttgatg agactctatc aggggaaaag agaaagttgc aactcttgga 60
 gctgatagag atgaggttga atacttatga gtcttcaaga ttgtacaaag aaaaagtga 120
 ggcttgtcat gacaagaagc tgataaagaa agaatttagg ctcaaccaac aagttctgct 180
 atttaactca agagtgaagc tatttccagg caaggtaaag tctaaatggg ctggaccatt 240
 caccatcaat gatgtcaagc cttatggagc agctggaatt attgaccctt agtcagaaac 300
 tttgaatata atatggatag tgaatg 326

<210> 14061
 <211> 180
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14061

tgatgctcag aaacagcaat atccaccact ccttcagttg gtctgcccan gtatttgntg 60
 attacagcan gggagaatct aacacatttt cctctgacna acactttctg atactcatca 120
 ctctttcntg ttgtatgtca gagggaaatgt ngacaatgaa ttccctgact agacttttat 180

<210> 14062
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14062

gtaaattcga gcctctcgac atattatgcg cncgaatcgg acatacgtgt gagaattcat 60
 gatcatttga atntctcgag agnttccgat gtntaatntc gagcgtattg atatattata 120
 accctgaatc ggacctcagt gtgacaagtt atgaccattt tgaattgacg agagcttctc 180
 gtgttcaatn tcgaatatca ctatatgtga tgcgcctaaa ttggacattc gagttaaatg 240
 ttatg 245

<210> 14063
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14063

gcgtgtatat gagttatgtc cccgaatcgg acatctgtgt tgaaagttat gaccattcga 60
 atttctcgag agcttccgtt gttcaacttc gagcgtctcg atatattatg accccgaatc 120
 ggacatctgt gtgaaactga tgaccattct attntctcga gagcttccgt tgatcattcc 180
 gagcgtctag atgagttatg tccccgaatc ggacattcga gtgaacactt atgaccattc 240
 taatttctcg ag 252

<210> 14064
 <211> 477
 <212> DNA
 <213> Glycine max

 <400> 14064

tgggtgaagta acccggcttc tgggtgtggca agtatagggtt ttgcttacia atagtgtagt 60
 tgcaaacaaa atcttttagtg tcaaagtaca tgtgttggat cgagtggcct cagaataatt 120
 aagaacgagg ggtttaatta attattccta agcctttact aattaaaaat ttactcttct 180
 aacgctttta ctatgttggt aagagaataa ggagtagaag agaaacttaa ccaaagtaa 240
 aagcggaaat taaaatgcac agcggaaagt aaaagagtac ggaagaagga gacaaacata 300
 caagagtttt tatactgggt cggcaacaac tcgtgcctac atccagtccc caagcgacct 360
 gcggtccttg agatttcttt caaccttgta aaaatccttg tacaagcaaa gatccacaac 420
 ggatgtaccc tcccttggtc tctgtgaacc tactggatgt accctccact agaactg 477

<210> 14065
 <211> 452
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14065

ntgattgtga atgagttggt cacaatgcta gcttntttct tctgtacatc ctaataatga 60
 atcaacaata aatggttgct gaatgaacaa tagatgggta attaattaac tagcactgca 120

caaaaaaaaaat gaaattttgt taagatctca ttgatcagaa ccaagcaacc cactttcctc 180
atcatcattt ttattttccc gctctgtgt tttctgagct agctccactg ccctcttaca 240
ttgctgctcc caatctgttt gaatcaatgt gtaaaccatc atacaaagac atgaagcctg 300
tgcagccacc attccagacc acaaaccac caattcatat ttatatatga atgtagcaaa 360
aacagaaact ggctatccaa ctagataaaa tgcacatcaa gttattctgg cacccaaata 420
atgcctagca gtgcctgact aaatcccaca tg 452

<210> 14066
<211> 392
<212> DNA
<213> Glycine max

<400> 14066

tgtttcagtc catttagaga tagtgctaac cttgacgcta gatcggtgca cgggttgtgc 60
caaatgtacc atatgctcag aaattathtt gcacacccga tagaactcct aggtgacgtg 120
ggatcatgtgg aatgtcgttt cagtctgttt gggggcgtgc tattgtcact gcaagatagg 180
tgcacagatt actccaaacg taccataggc tcataaatca ttgtgatcgc acccgatggg 240
actcctacga gacaacgccc aagtgaagc acgtgtcaat ctgattggag atagtgccta 300
tcttgacaca agaatggagc acggttcgtg ataaatgtac tatatgctct acaatcattt 360
tggatgccct ctattgaact aatcactgac ct 392

<210> 14067
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14067

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ttcaagcacg actttctttc tgcttttgta ggcttgctt gcataagctat cattattcct 120
gtcaatttga accatcactt gctcatgcaa cttcttgaca tactcagctt tagcctgtgc 180
atncttatgc ttatgcattg cantgttaag catttgcaac aaatctagat gagtcaaagg 240
attaaatcca tacactatct taaatggcga acaattagta gtgctatgga cagcccgatt 300

ataagcaaac tcatcatgag gcagacaggc ttcccaagat ttaagatttt tctgtaaaac 360
 agtcctaagc agtgtgccta aagtgtctatt gactacctca gtttgaccat caattcgtgg 420
 gtga 424

<210> 14068
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14068

tcttgaagtt gttttctttt tgagacttct tcagaagata gttgtctatg gcttgtgtct 60
 tcctctagtt tatttatctc agcctccacc ttcttaaccc ttttgagagt atctccaaac 120
 tgttcctgat tccagatctt caaccttctt tttagtctct taatcttttc tttcaagaca 180
 taccaccccc agcctgggtg ctgatgcgaa ttccagcttt ggtacacaaat ctctttaaag 240
 gatttatctg ataaccagca atcaagtatc ctaaaaggct taagacccca atctgttacc 300
 ttggaacgaa gaaggattgg acagtggctc gaaaagtttc ttgccaaagt agattgatag 360
 ctgccaggcc atctttcaat ccactcatga gagaccaaga acctgtcaat cctgctccta 420
 gactcccat ttggtctata ccacgtgtag tttctaccaa tccatg 466

<210> 14069
 <211> 457
 <212> DNA
 <213> Glycine max
 <400> 14069

tcacaacaat tactttttaa gaattcttta atttctaaaa ttaatctcca ccaaataatgt 60
 actaaatgga aaaataagaa gaaaaataaa actaagctca actattatgt gatactaaaa 120
 gtaagtaata aacttatcta taaacacata ttaatatgta gttagggttct ttggacaaac 180
 ttccttataa atacttatta aaaaaagtaa aggtaaaatg tattgtgttt ctttaagtaa 240
 gcttaaaatt aacttattaa tttttggaga atttatgaaa agaaattcta taaacgttaa 300
 ttatataagt ttttgtaaag taaatgtata agttaattct agtttataaa aaactgaata 360
 cattcttact ttcttatcta ttatctact ataggatttt ctagaagaat ttatctatat 420
 aagaccttaa taccacaata aatattaatc aatgata 457

<210> 14070
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 14070

ctaaatcgaa gaacaatctc ataattattc ccataaaact aaaacttaaa aaaaaattag 60
 atatggcctg tgcttatgaa taaattataa ggtgatataa atttgttgta tatacatgaa 120
 aatatgataa caatttttcc attttttcta ctaattcata ttttaaactt attaacttca 180
 tcttaaatta tattataaat tggacatttt tacaatattt gtcttttaaat ttatattgaa 240
 aagacaaatt gctataaagt acttaattta ccgtttgtaa ttacccttaa ctaaactaat 300
 aaaaatataa acttatcttt tcaatagaac tttttaaaat tgtatattta tattaaatat 360
 ttatgttata ttatatattt attattataa tctaaatatg catgaaggaa ggcaataata 420
 ttatcttaat taatatcttt attgcgt 447

<210> 14071
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14071

tgtaatcgat tacacacata ctgtaatcga ttaccataat agattttcag aaaatattct 60
 caattgtcac atcttttcat ttggctcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180
 caaaatcggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctntcaag agagatatct tcttcacttc 300
 ttctttattc tgaaaaggga ttaagagaag ggattaagag accgagggtc tcttggtgtg 360
 aaagaattct aaacacaaac gaaggattgt tgctgtgtgt ttagaacttg taaaaggaat 420
 ttacaagata gtggaactct caagcggggt gctcgtggac tggacgt 467

<210> 14072
 <211> 467
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14072

actaagctta acatcagacc acttccgggt gctggaacta cttcacatgg acttgatggg 60
gcctatgcaa gttgaaagcc ttggaggaaa gaggtatgcc tatgttggtg tggatgattt 120
ctccagattt acctgcgta actttatcag agagaaatca gacacctttg aagtattcaa 180
ggagttgagt ctaagacttc aaagagaaaa agactgtgtc atctagagaa tcacgagtga 240
ccatggcaga gagtttgaaa acagcacgtt tactgaattc tgcacatctg aaggcatcac 300
tcatgagttc tctgctgcca ttacaccaca acaaaatgac atagctgaaa ggaaaaacac 360
gactntgcta gaagctgcta tggttatgct tcatgccata gaacttgctt ataattctctg 420
ggctgaagcc atgaacacag catgctacat acacatcaga gtgacac 467

<210> 14073

<211> 387

<212> DNA

<213> Glycine max

<400> 14073

gacacttaaa actcagctta acattcaact tcgagcgtct cgattatgac gagtctcaat 60
cttacattcg agaaaaaagt tattgtcatt tgaatttgct cagaggttca acattcaatt 120
tcgagcgtct cgttatatta caggactcaa tctgacattc gagtaaaaag ttattgtcgt 180
ttgaattagc tcagagcttc cacattcaat tttgagcgtc tcgatatatt acgggcctca 240
atcagacttt cgagtaaaaa gttattgtcg tttggattgg ctacacagatt catacattca 300
atttcgagcg tctcgtctta tgacaggact ctatccgaca tccgcgtcca aagttatcgt 360
cgtttgaatt ggatcatagc ttcaaca 387

<210> 14074

<211> 423

<212> DNA

<213> Glycine max

<400> 14074

actcatctgc tttgcttctt cacaacaaa tattcggaat ttttcggatc atataagata 60
tgaatgcgca atttatgtca ggaacatacc tgtggaagtg gttgagcagc cattacatca 120

agccagaaat ctcttcgcat gtacatcgat gcaattcttg aagagtctat gattagctct 180
 cctctaccag aaacacgaga ggaaggagca atatatgcag ttgaaaccg aaaataaatc 240
 tgaataatgt aaaatgcac aatcaatgac cggtattatg tgaggaacac ttcaagacca 300
 gttgacatat caatgcactt gtctttctta gccctgggag taaaagaata ggggatgcac 360
 atataacgaa agctaacaag ctgcttagaa gattatgttc catgtattta ctctatgtgc 420
 cct 423

<210> 14075
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14075

tgtaggccta ggatcttctn tatcaatgga tttctttgct tcttgaaga tgaatggcaa 60
 cggaataaag aaggaagaga gagaggagac gccacttcaa ggagaagatg agtctagaat 120
 aagctcacca ccataggagg ccatggataa gagcttggag gaagaaggag atgaatgaag 180
 agagaggaag agaagatcat gaaattttgt gctctaaaag agctctgaaa tctcaagttt 240
 aattttcaaa tgatcaaagt tggaaaaatg cacacacata gcctctattt atagcctaag 300
 tgtcacacaa aattggaggg aaatttgaat ntctattcaa atttcacttg aatgtgaaat 360
 tcaatttgtg gagtccaatt ttggagccaa aatttacta attatgatta gt 412

<210> 14076
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 14076

agccttgccc cttgatatat ctgaaggact catgagacac tatgaatgac taaatccttg 60
 ggatacaggt agtggtgaca tgttttcaaa gcccgacta atgcatacaa ctcttatca 120
 taagttgaat attataaggt aggaccactt aactatacac taaaattagc aattggatgg 180
 cttcatgta tgaacacagc cccaatgcc aattagaag catcacactc aatttcaaaa 240
 gatttttgaa agtttggcaa cgcaagtatg gcggcattaa atagcttttg cttaagaaca 300

tcgaaagcat tatcttgttt ctctacccat tataaaccaa catctctctt gagcacttca 360
 ttgacagggtg ctgccaatgt gctaaaatcc gactataaca acttgctaag ccatgaaaac 420
 tactcacctc ggacacacac tt 442

<210> 14077
 <211> 478
 <212> DNA
 <213> Glycine max

<400> 14077

tacggacact atgaaactaa gctatgctgc tatattacaa tagacctcct caacctcatc 60
 agcaaaatca accacagcag aacaattatg acctctccag caacagatac aaccttggtat 120
 ggaggatcac cctaattctta gatgggtctag cccttagcaa caacaacagc agcctgctcc 180
 ttccttccaa aatgctgctg gcctaagcag accatgcatt cctccaccaa tccaacaaca 240
 gcaacaacct caaaaacaac caacagttga ggctcctcca caaccttccc tcgaagaact 300
 tgtgaggcaa atgactatgc agaacatgca gtttcaacaa gagaccagag cctccattca 360
 gagcttaacc aatcagatgg gacagttggc tacacaattg aatcaacaac agtcccagaa 420
 ttctgacaag ctgccttccc aagctatcca aaatcccaaa aatgtcagtg ccatttca 478

<210> 14078
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14078

ngaatacaat agaaattgct aacttaacag agctaagatt cactcaattc actcaagttt 60
 cgtttgtcca ataaaactga caacattaca acactttgtt tgttttgtct taagttattc 120
 tttgtgattc aacaacatta acacaaacat cttcaaactt tatatagact ttagagcttt 180
 gatctgttga gagataaact atatatactt tgtccaatat aacttgggca tttctttgtg 240
 aaacatttta aaactccact tgactcacat aaatgcttta agaagttggg ttatcatgat 300
 gcaatcctac cccgcaaggg cattggatag aagactccaa gtagattggg ccagagatcc 360
 aagggaaggt cctatggttc tcatgagcct tanggtagat ttcaagctca tgggctaagt 420
 atgagctcgc ttatctttgt aaatat 446

<210> 14079
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14079

taactactca gatatgggaa ctgatggaat gaagattcgc ttcttttctt tcgctgtctt 60
 ggacttatga aaatatttct ttaggaactn ttccacaact tcatcccaag tccttaagct 120
 attacctccg aatgaatgca accacctctt ggcttctcta gatagtgaaa aatgaaaata 180
 agctgagcct agtatcatct tctggcacac caacaattct cgcagtgttg catatttcaa 240
 tgtatgttgc taggttcacg taaggatatt catttggcaa tccatgaaac aaattgcctt 300
 gtattagctg aaccaaagaa tgtggatagg tgatatattg agcctgaacc tctggccgca 360
 caatactggt gaaaaattgt ggcacacatg tactcgagta gtctttaagg gttactcttc 420
 tggngtgctc ttcancatt atgtcagcta cgggcactat 460

<210> 14080
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 14080

atgcatcaga caaagatgat ggcaaatcca tttcaggata tgttttctact ttacatggtg 60
 gtgcagtcag ttggaaaagt tccaaccaag ctacggtagc tgattctact actgaagcag 120
 aatatatagc ggcaagcgaa gccgctaaag aagttgtttg gattaaaaag ttcataattg 180
 aacttggcgt ggttccttca ataaaagagt cgggtccatt attgtgcgac aataatgggg 240
 ctattgctca agcaaaggaa ccaagatcac accagaagtc caaacatatt ttgcgaaggt 300
 gtcacttgat tagagataat agaacgtggc gatgt 335

<210> 14081
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14081

actctgttgg aagatcatta tttgctgtta cttctactat aggatcttca ttgcttcctt 60
ctcctttttcc tttagaatct tgcccatgaa tgtgcattnng ttctaaagat tctgcaatat 120
catctaaaat atccttttctt ggagaaataa cattagactc atcaaaaagaa acatgaatag 180
attcttcaat agtcatagtt ctcttattat atattctata agctttacta tgcacggaat 240
aaccaaggaa aattccttca tctgacttag catcaaactt tcctaagttt tcttttccat 300
tatttaatac aaaacatttg caaccaaaaa catgaagggtg tgaaatgttg ggttttctac 360
cattaaacag ctcatatgcg agtttcttta taatgggtct tattaaagcc ctgttcatga 420
tat 423

<210> 14082
<211> 401
<212> DNA
<213> Glycine max

<400> 14082

caattacaag cgtctagata tattacggga cttaatcgta catcccagta aaaagttatt 60
gttggttgaa tttgctcaga gcatctgttt tcaatttcga gcatctcgat atattacggg 120
actcgatccg acatccgaga taaaagttat tgtcgttgga atttgcccag agcttcaatt 180
atcaatctcg agcgtctcga aatattggag cactcaatcg gacatcttag ttaaaagtta 240
ttgtcgttcg aatatgctac gagcttctat tttaaattac aagcgtctcg atatactacg 300
ggacataatc cgacatctga gtaagaagtt attgccgtgc gaatttgcta cgagcttctg 360
gtttcaatta cgagagcctc gatttactac gggacacaat c 401

<210> 14083
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14083

actaagctta caccacattc tactcttcaa tcctcaacat cgacatgttg tggctctctgc 60
tcccgaaga agtgaaggcc tccaaggaga acaaggcatc gttcacacag tttgggtact 120
ttaaggttct caaaaaaggt gttttgctgt agaactagtc cgttgttgtc aaggccaagc 180

ttattatcca agatcgctaa gaagaagatc aaggaggctg gcagcgtcgt tgttctcaat 240
gcttgaatth gatggtgtcg cttttttgaa tgatttaggt tttttttatt ttgttccaat 300
atgtctcctt ttggatgaca ttgttgttgt tcaatctatg ctatatttca tgatttaatt 360
tacgggttta ttattttaat ttatgcattt tagaattttg cttatttatg ttgaatntaa 420
tcacgtntaa ctatgatagc ttgatgatgt taaaatctat cgaaattggt aaaattgtgc 480

<210> 14084
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14084

tcaagaaaa gatggcctca gcaaattcct tatttocata aaggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatatc tgggaagcca ttgaaatagg tccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagtcat ctagtgaaag cataaccata gaaaaaccta 240
nagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300
taataacatc tgccctagga atggatgaat atttcagagt gtcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatggt aaaagatcta 420
cgataaatgc actaactcat gagtatgaag tattttagaat gaata 465

<210> 14085
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14085

ntgaccataa tcgcaggac aataactgtt actcagatgt acgaatgaat cccgcaatat 60
attgagacac tcgtaattga gaacggaagc tcgtagcata ttcaaattgac aataactttt 120
aactcggatg ttcgattgag tcttgtaata tatcgagacg ctcgaaattg aaaacggaag 180
ctctgagcaa attctaacga gaataacttt tactccgatg ttcgaataag tctccgtgat 240
atattgagag gctcgtaaatt gaaaacggaa cctcgtagca aattctaaag acaattactt 300

tttacttgaa tgcgatgggtg gcccgttaata tatcgtgaca ctctacattt taaatggaag 360
 cttcttgcat atgctaacca caatgacatt ttactctgat g 401

<210> 14086
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14086

tctggtgtgg acatctgact tgctttccaa tctgacattc tccacagatt ctgccctctt 60
 ctattntcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggagaata 180
 gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtaacagatg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct cattttgtcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcacgggt gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactaa gaagtccatc atgaact 407

<210> 14087
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 14087

tctaacgata ataactttgt actcggatgt tctattgagt ctgcocatat atcgacacgc 60
 tcgaaattga atgttgaagc tctaagccta ttctaattcta ctataacgct ttactcggat 120
 gtccgataca gtgacgtcat atatctgaga ccgtcgaaat ggatagctga acctatgtgc 180
 caatctaata gacaattact ttttactcgg atgtctgatt gagtcccatc atatatcgag 240
 acgctcaaaa ctgaatgttg accctctgag cctattcata cgacaataac ttctttctcg 300
 tgaatctgat tgagacctgc atatatcgag acgctcgaaa tgaatgggtga acttttggcc 360
 tatggaacga caataacttt gatctga 387

<210> 14088
 <211> 240
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14088

tccgaagctc tgagcagatt caaacgacaa tcactntnta ctcagatgtc tgactgagta 60
ccgtaatatg tcgagacgct caanatngaa tactgaagct ctgagcaaatt tcaaacgaca 120
ataacttgct acttagatgt ctgattcagt cccgtaatat atcgagatgc tcgaaattga 180
agaccgaagc tctaagcaga ttcaaacaac aataacattt tactcggatg tctgattgag 240

<210> 14089
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14089

gagactatcg tgatgaattg ttatgtgata taatccctat ggaagcaggg cacattntga 60
tgggtatatg atgtagctcc atgtggagct tgtaggcctt ggatcttctt catcaatgga 120
atcctttgct tcttgaatat caatggaaga ggaatggaga agacagaaaag atgattggag 180
atgccacttc aaggagaaga tgagtcaaga agaagctcac caccatagca agccattga 239

<210> 14090
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14090

atctccttct tactacatca agaatcactg ggtngagtct tctctgtggc tgtcttactg 60
gtttatgctc catcctctag attattcgat gcatacatgt ggatggggcta ataccaggaa 120
tgttcgccag ggtccagcct atagccttct tatgcttctt gagaacaaaac aacaacttct 180
cctcttgctc atcagtaagg gaggcaaata taatcactgt aaaacttcng ctatcatcca 240
agtaagcgta tcttaaaatt gatggcagag gcttcaattc tgggtgtggc agctggatag 300
t 301

<210> 14091
<211> 211
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14091

actatccctg atttcaagct tttgcanatt anggcacat tcaagcacat atttaaagcc 60
gacgtcagtg tccccagcaa aggcaactga cagcgtccta accaatntcc catacatccc 120
aatgtactca aaaacacgat cagtcagcaa accagacata gcaagccgag tgagcttctt 180
gcaattcata acaatagcac caaaaccctc a 211

<210> 14092

<211> 221

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14092

tgagatgagt agtgggttga gtctccatgt attgactgat gagtcgagta ccatatagaa 60
tgtctgggtct tgtggacgtc aaatatcaca nactaccac cagactctng atatttgagc 120
acccatctnn tttgcttctg caaactttga taacttcatt gtgcactcca ccggtattcc 180
aattggcttg catacgtttg ctatgaaatg aagattcaat c 221

<210> 14093

<211> 249

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14093

agactggcct cacagtgatc agaaatgaga aggaggagct gattcctact cgggtgcaga 60
acatgtggag agtctgcatt gactatagga ggctgaacca ggttaccaa aaggaccact 120
ttccctgcc attcattgac cagatgcttg aacgcctggc aggtaaatcc cactactgtt 180
tccttaatga gttttctggt tatatgcaa ttactattgc tcttgaggat canganaaga 240
ccacattca 249

<210> 14094

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14094

ttctagtatt tttctgttct ttccttggag aacttatcat acgcaaaact atttatctta 60
ctcaacccga tgtaactcct taaacattca agttctcaag atatgataac gacatctctt 120
ctaataatn tctntntatt attgatcaat atnngttaaa tntaaaataa tctttntgtt 180
ggtattttaa ataatgtaaa tcataatgaa gtttactaat aattacatat gtntgattaa 240
ttgcaactaa tatataatat tggtagaaaa atttgggtgt gagatccttc cagtatatct 300
atctcataat ctaatatact aatttgattt aaaacgtaac ataatacttg ttcaagacag 360
atttatatat aaataatatt taaaatatta tttaaataat ggaaactata tcatgacctt 420
atatatatct gttcgaaatc acttaattgt 450

<210> 14095
<211> 210
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14095

tagtgggtact tgacctgagc aaaccctttg tgggtgtactg tgatgcatcc aagatggggt 60
tgggtggagt gcttatgcag tngggacagg tagtggccta tgcttctcaa cagctaaaga 120
gacatganag gaattatccc atgcacgac ctgagttagc aactgtagaa tttgctctta 180
tactntggag gcattacctn tatggatcta 210

<210> 14096
<211> 364
<212> DNA
<213> Glycine max

<400> 14096

ttatgtagac ttgaccatat tctctaattg aaccttggat cctgtcaga gacaatacta 60
aaaggaattc catgcaacct tactactatc ttgatataca actccactag cttttccatt 120
ctatacctca tatttactgg gataaaatga gcagacttgg tgagtcgac tactatgacc 180
cacacggcat catgcccacg actagtcttg ggttaactag atacaaaatc catagatatg 240
ctctccatt ttcaatccgg aatctccaat ggcttcaatt ctcccgaagg tcgctggtgc 300

tcaaccttag cctattgaca tgtcaaacat cttgctacat atttggctac atctttttta 360
tgcc 364

<210> 14097
<211> 373
<212> DNA
<213> Glycine max

<400> 14097

gacctttcac ccatcacata gagcttacct tcaaagtctc aagcaaaaca accccatctt 60
ggcgcgcgaa ggctctctat cagtgccac ttgccggtat ctggatcata cacctcagca 120
ctggagagac tgtcaccatt caccatag cctcccacag cataaacc aa accattgact 180
tcagcacaag cgaagtcata acgagacaca ttcatgtctg acaatctgct ccagctgcaa 240
ttgcaacaga gaatggagca agtctaaagc caacttatag acagacatat aatatgagag 300
aaattcataa gtgtcacgac gtaacagatt ataaggccat ctcttacaaa atcacaaaga 360
tgaatttatc ata 373

<210> 14098
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14098

actctncttc tctnctctcc cttgagcann gataaatcat ggggtccgatg ctgctgagcc 60
aactcgccac cgggtctaagc gttctcgccg gagccggtct tgtgaaatct ggtatggacc 120
anaagcccat ggcaggccca ttactcgtc gccncacgtg caacggaacc ggtcgagtca 180
cgtgcnnctc tgtcgcgtgg tccgacggcg atgtcggatg ctccacatgc 230

<210> 14099
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14099

tcttgagaaa acttgcttga gaagcttctt ttataaatct ttcttgagaa gctagagctt 60

agctacacat acccgtctaa tagctaagct cacctccttg agatgagaag ctagaactta 120
gctacacacc ccttataata gctaagctca ccccatgac aaaatacatg aaaatacaaa 180
aaaagtcctt actacaaaga ctactcanaa tgccctogaaa tacaaggcta aaaccctata 240
ctactagaat ggccaaaata caaggcctaa atgaaggana aaacctattc taatatttac 300
aaagataaac ggggtcatat ttagcccatg gggtcaaaat ctaccctaag gctcatgaga 360
a 361

<210> 14100
<211> 412
<212> DNA
<213> Glycine max

<400> 14100

ccagcataca cagtttcaca tgcttaagag ataaacatac tattttaaga aaggagagaa 60
aagtttaagg aaagcactgc agactagagt atgaataatc tacctcaata aattgagtac 120
agtaacgggg aaggctgcgt ttgaaccaca aaagagagat tacatcacc acaccataac 180
cattttcaat aatggtagac attggtagac cagcatagca tggctcctca ccttcggaaa 240
aataatggaa gaaaagttaa atttagctat caaatgtgtc taggacacct cagttccatg 300
ttacaactta taaattcgaa ggatcccaac atacctttgt catcagagat ggtggaaata 360
atgtgagttg gagcacgttc ttgttcactc ctaatagctg tgttaaagtc ct 412

<210> 14101
<211> 439
<212> DNA
<213> Glycine max

<400> 14101

cctgcccttg cagagattaa tgttgtatct aatcatgtct ttttatcagg agatgaggtt 60
gctctttcat gtgaaaagta tactgctttg acgtgcgcag ctcgagattc agaggaacaa 120
tccaagaaga gagttgctag tgctatgctt gaagttgacg aaacaaattt gtcgcacatg 180
gacattttga agagggtaga agaagctaca taagaagtta aaaccaccaa gaatgccctt 240
gatgaagctc tataaagggt agaagctgag aatagagaca cagtacctgt tgaagaggct 300
ttaaggaatt ggcgatctga cggacaaaag agacgtgttt ctatacaca ctctaccaag 360

ttcaaaaact gtggtttgtc tcatcattgg agagatcctc aattacttga tgtgaatgga 420
 ttgcatttgg taaatgatg 439

<210> 14102
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14102

acactataaa accccgcttc aagaaaagat ggcctcagca aactccttat ttttattggg 60
 aattctatca atagacctcc aatctttaat ggagaggggtt accattactg gaaaaccgga 120
 atgcaaattt ttattgaggc aatagacctt aatatttggg aagccataga aatagggcct 180
 tatataccca ccacagtaga aagaattaca atagatggca gttcatcaag tgaaagtata 240
 actatagaaa aacctagaga tagatagtct gaagaggata gaaaacgagt acaatacaat 300
 ttaaaagcca aaaacataat aacatctgcc ctgtgaatgg atgaatattt caggggtttca 360
 aattgtaaga gtgctaagga aatgtgggac actcttcgat aacacatgaa ggaactacag 420
 atgttaaaag atctangata aatgcactaa ctcatgagta tgaaatattt agaatgaatg 480
 ca 482

<210> 14103
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14103

tccatcatca cgataccgtg ttctattggg gagggtgttg ttgcaaagct cttanacttg 60
 ggagctagta tcaatttaat gcctctctcc atgtgctggc gactttgaga gatagagata 120
 atgccacac gcatgacctt ccagtttagct gaccgctcca tcacaaggcc atatggagtc 180
 attgaagatg ctttggtgaa gggttaacct cttatatctc cagatgattt cattgtcata 240
 gatataaag aagatgctga cattcctctc attcttgg 278

<210> 14104
 <211> 393

<212> DNA
<213> Glycine max

<400> 14104

ccttcataaa agtttatatg gctcgaaaca agctctgttt ctttgttaca agaagtttaa 60
tgagcttatg agcaactcat gattcaatac atgtgacatg gaccattggt gctatgtaa 120
gaaatatact aatatctatg ttatccttac cgtgtatggt gatgacatgt cgattgcagg 180
atctagtatg acagagatta atatgttgaa ccatcagttg gcagaaaact ttgaaatgaa 240
ggatcttggt tcaactaaac aattccttgg tatgagaatt cttagaaata gatcacaagg 300
aattttgaag ttgtctcacg aaaaaatata cacaagttgc ttgaagagtt taccttgaag 360
attctaagac cacgaatata cttttgggat ctc 393

<210> 14105
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14105

gatggcctca gcaaattcct tatttccaga tggtaattct atcaatagac ctccaatctt 60
taatggagag gggtaccact actggaaaac ccgaatgcaa atttttattg aggcaataga 120
tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag tagaaagagt 180
ttcaatagat ggtagttcat caagtgaag cataactata gaaaaaccta tagatagatg 240
gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca taataacatc 300
tgccctgtga atggatgaat atttcagggg ttcaaattgt aagagtgtga acgaaatgtg 360
ggacactctt cgattaacac atgaatgaac tacagatgtt aaaagatcta ggataaatgc 420
actaactcat gagtatgaat tatntagaat gaatg 455

<210> 14106
<211> 401
<212> DNA
<213> Glycine max

<400> 14106

tgtcttcaag ataagatgac agcttattaa attgcaacct ggcttgcaat catcaatcaa 60

gaggaggcct tagcaagaca gctataccct gattatatcc cccattagc ctcagctgga 120
 ggtagtggat ctttggat caatgatagc aatgagtatg atgttgaagg gggtaggat 180
 gagcctaact ttgacgtgga agactgcaaa catgagaatc ttcacacatc caatcttggg 240
 atggaaagag tgagggtaac tctgccagtt caacagccct ctttttcaat aaagggagag 300
 actgttacia atctggattt cattcggaag aggaaggttt ctaatgactt cgacatgatg 360
 gatctgaaaa tgacacatgt gaacaccctc agagccctta c 401

<210> 14107
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14107

tttgatcttt ggaaagtaat ggaaacaact gaaccttctt tntgtaagag aatccaactg 60
 ttgctcagat cagatttcac agtaagcaag ttgccaaaag agcaaaggct cttaccatct 120
 tgcactcagt tgtggatgat gatgttttta tgagaatttc caacttggat acagcaaggg 180
 agatttggga gaaacttcaa gaggagtctt ttggaaatga gaggaccaag aacatgtagg 240
 ttctcaacct taagagggag tttgaagcct taaagatgaa tgaggctaaa aacataaaag 300
 atttcatgac cagactgatg aagggttgta atcatatcaa gttgttagcg gagaaatttc 360
 tatacagtag gatagttgag aaagtcttcg ttc 393

<210> 14108
 <211> 339
 <212> DNA
 <213> Glycine max
 <400> 14108

ccacatacaa gggagtgaat ccagtcaaga ttgtatgctc ttttaacatta agagccaagt 60
 gtaaaacatt gcatatgaaa taaaatgaag tcctctccaa ctatttctct agaattttta 120
 caatcaccaa tcaacttaag agaaatgggtg aaaatgttga tgatctaaaa actatggaga 180
 aaattcttag atagtttagat ccaaagttca aacatattgt cgcaatcatc gacgaaacaa 240
 aagatttgta ggatataacc attgagaaaa ttttgggctc attacaagct tataaaaaaa 300
 ggaaaggatc aaggaataac tactcgagac acaagttta 339

<210> 14109
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 14109

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tttttgactg tattccacac aagattataa ttggattatg ctaatgaaca aatgacatat   60
ataagtgtta agttaacata taacaactgt tacattatat ttcattcatg ccttaagggg   120
atgtagttat gtacaatact ttacaactaa atcacataaa acttctgtca catagtgtaa   180
tcataagata acagttaatt attacacaat attttctatt tcatgtcaac aagtaccatg   240
aatattgtga cagggcactt tcaatagttt ggacagctcc tttggttgct acattgggca   300
tgtccttgac aattcccatt gccatgatag ctgacatggg tatacatggg cacaagtact   360
ctgcaatgta catccttgga tgca                                           384
  
```

<210> 14110
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 14110

```

aaaggaagg atagagactt gggaatgata ctggatagtg gggaggggtg ctacgtgtgt   60
gtgagggaga gagagaatcc gaccaggat gattatttcc ttaaaatata gtgtttactt   120
attatagtga cgttcgagat attttaatga gtttaagatg aattgaattc ttccctacaa   180
aaccaaggc caccactcat gagtaataat aatattatat tttgatgtag caacaaactt   240
ttcactttga ccatgtatga ttcattgctc ataagtatat attaaggctc tagctcctgt   300
tcttaatgtt caactcaacc aacactttta atgttgagtt aatctagtgt ttaattctga   360
atttatatag atcattgaat aaattgggct gtatctaata tacag                       405
  
```

<210> 14111
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 14111

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ctcgatatat tatgcgcctg aatcggactt ccgtgtgtta tgtttgacca tttgaatttc   60
  
```

tcaacagctt tcggtgttca aggttaagct tctcgatata ttatgcacct taatcggact 120
 gtcgtttgaa aagttatgac catctgaatt tctcgatagc ttccggttgtt caatttcagg 180
 cgtctacaca tagtatgcac ttgaatcgga cttccgtttg taaagttatg accattcgaa 240
 tttctcatga gcattcgttg ttcaatttcc agcgtctcca tatatatgcg ccagaatcgg 300
 acctccgtgt ga 312

<210> 14112
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14112

agtctcacga ttggacatgt tggtgcttct tttgtagca gtgggtatac gagacatctt 60
 gcctaacaaa gtcaggtag ccataactcg cctatgcttt ntcttccatg ccatatgtag 120
 caaaagacgt gatgctgtct agtttgatga gctggaaaat gaggctgcca ttatactgcg 180
 ccagggtggag atgtatTTTT cccctacttt ctttgacatc atgattcact tgattgtgca 240
 tctggtcaga gaaatcaaatt attgcggtcc tggtttatttg cgggtggatgt acccgcgatga 300
 gcaacaaatg aagatattaa aagggtatac aaagaatcta tatcatccaa tagcatttat 360
 tgtagagagg tacatcgcag aacaagacgt tgaatcntgt tataatacat tgtagagcta 420
 acctgttgcc ttctgag 437

<210> 14113
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14113

agcttctcga tatattatgt ggctgaatct gatttttttt tgaaaagnca tgaccattgg 60
 aatntctcga gagcttaggt tggtcaatct ccagtgaact gatataattat gcacctgaat 120
 cggacttacg tgtgacaagc tatgaccatt tgaatctcac gagagcattt gctgttcaat 180
 tttgagcatt tcaatatatt atgcgcctga atcggacttc cgtgtgacaa gttatgacca 240
 tctgagttcg ctaagagctt tcggtgttaa atatcaagct tcttgatata ttatgtgcct 300

gaatcggact tacaagtgac acgttatgac catttgaa

338

<210> 14114

<211> 429

<212> DNA

<213> Glycine max

<400> 14114

agcttctaaa ctttatacaa gaatgaagct tttgtactca tttgttggac aagcggcctc 60
agatatctta agaagggggg ttgaattaac atatcacaaa cttttcctaa ttaaaaaatt 120
ctattttgat ttttaaccgt aaccctagat tccttaacag taaactctta agaaaatag 180
aaagaaaaac ttactgaaaa gaaagaataa ataataagca attaaaggag ttttaaggaa 240
gagagattgc aaactcagat ttatactgat tcggtcacac ccttgtgcct acgtccagtc 300
cccaagcaac ctgcttgaga gttccactat cttgtaaaag cctattacaa gatctgaatc 360
acacaaggac aacccttcct ttgtgttcag atttctttac aacaagagac cctcgggtctc 420
ttaatccct 429

<210> 14115

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14115

cctgccgcat gcaagcttga atcggacctc agagtgaaaa gtttgtcctt ttcaantacn 60
cgagagctng cggggggcaa tgtcgagcat ctcgacatgt tatgcgctcg aatcggacat 120
ccgtgtgaaa agttatgacc atttgagttt ctcgagagct cccgtgggtc aatttcgagc 180
atctcgttat attatgcgcc caaaactgac cttcgtgtga aaagttatga ccatttgaat 240
ttctcgagag catccgatgt ttaatatcga gcgtctcaat atattgtacg cctgaatcgc 300
agctcagtgt gaaaagttat gaccatttgg atttttcgaa agcttccttg gttcaattcc 360
gagcatctcg acatattatg tgcccgaatc tgaccttcga gagaaaagtt atgaccattt 420
gaatttctcg agag 434

<210> 14116

<211> 423
 <212> DNA
 <213> Glycine max

<400> 14116

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agcttctgtt ttcaattaag agagtctcgt tattctacgg gacacaatcg gacatcggag 60
taaaaagtta ttgtcgtttg aatttgctcg gagcttctgt tttcaatgtc gagcttcacg 120
atatactacg ggacacaatc ggacatccga gatataagat tttttttttg catttgctca 180
gagcctatgt tttcaatttc cagcatcttg atattttacc gccgacaatc attcatacca 240
ggaaaaagtt gttggcgcta gaatttgcaa agagcttatg ttttcaattt caagagactc 300
aatatattac ggggcacaat cggacattcg agaaaaaagt tatgggcgct agtatttgct 360
accagcttcc gttttcaaat tcgagcatgt tgatatatta cgggacttaa tcggacatcc 420
gag 423
```

<210> 14117
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14117

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agcttgtagg gttaaagtct cagcattgnc tcttgctcat gcaacaattg ttagccgggg 60
ctatactaga catcttgcca aacaaagtca gggtcacgat aactcgccag tgctttttct 120
tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggtcctggt tatctatggt 300
ggatgtaccc ggttgagcaa tacataaaga tcttaaaagg gtatacaaag aatctatatc 360
gtccagaagc atctactgtt gagaggtaca ttgcagaaga agccattgaa ttttgttcag 420
aatactt 427
```

<210> 14118
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 14118

agcttgaaat tgaacaacgg aagctctctt tattatgagt ggtcataaat tttcacacag 60
atgtccgatt cggggaaata atatatcgag acgcacgaaa ttgaacaacg gaagctctcg 120
agaaaatttg atggtcataa catttcactc ggatgttcga tccggggaca taatttatcg 180
agacgctcga aattgaacaa ccgaagctct cgacaaatta gaatggtcgt aacttttcac 240
gcgaatgttc gattcgggga cataactcat ctagacgctc gaaattgaac aacggaagct 300
ctcgagaaat ttgaatggtc ataagttttc acacggatgt ccgattcggg aacataatat 360
atcaagacac tcgaaattga acaacggaag ctctcgagaa aatcgaatgg tcata 415

<210> 14119

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14119

agctntcagc aggggaagcta atgtgttttt tattctattc tacacaggat tgggtgctgca 60
tactgggtac ccaccaatca tacttccact gttgccacag gtttgggtaa atcttctgta 120
tgctgttggg accaaatcct aatttaattt cggaaactat attgttgatc aaactgctaa 180
ccattcataa tcttttgctg acaaattacc cattgccttc cctactgtat tgcggggcat 240
tatgatgact caacactccc aatatgttaa actacactga ctctgtgatg aagaaagaat 300
ctgctctata cctgcataac aaattgtttg aggggacaca tgtcccatac attgtctcga 360
catcaaggat agctgcttta cgcgttgtgt ccaaagatgc cttgattgc 409

<210> 14120

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14120

agcttctact tcttatctca catacaactt aggtctgtat cacgcgccgc aggtaagaat 60
agnacacaaa gctttatcat ttaaaattat atgggtgtgct cttctatatc tgtaaactca 120
atgatttttt ctgggagggg gagattgcct tgggtgatatt gcagatacaa gcccatgata 180
ttcatgcttg taatatagta tggctacgtg aaaatgatga agtgccttgt gaccttgttt 240

tgattgtcac ctctgaccc caaggagttt gctatataga ggtaattatg tcgtgaaaca 300
 tgctaaaact ggtcttctct ctctgcagca ttgcaggga attggaatgt cattccacta 360
 ttcttctctt tttctctcat ttggggcaga catnttatta tatacatttt aaggacctta 420
 tgata 425

<210> 14121
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14121

agctntgagg aggctaaaat caatgtatgt ttctgtgatt gtgaaatctc taagagtttg 60
 aggtcagatg gatttaattt gaaattcatc aaagcctctt ggagcttact gaaggaagat 120
 gtcaaaagat ttcttaggaa gtttcatgtt aatggtgtgt tccctagagg tcgcaatgca 180
 tcattcatca ccttgatacc taagattgag gatccacaaa atctggggga ttttaggtcc 240
 atttcaactgg taggatgtat gtataagatc cttgctaaaa tccttgcatg aagactaaaa 300
 ggtgctttgg tagtgtgatt gacaaaaggc aaatcgccctt cttggaaggg agaaacttac 360
 ttcttgaggt cttggtggca aatgaactag ttgataaggc aagaagaaag gaaaagaagt 420
 gc 422

<210> 14122
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14122

ctgcagcttc tgtggaaagc atgttcggtt cctagnnttat gtgatgatta cacaatactt 60
 caagcccttt tcagccttga catggtgatt cttttcttag ccacaatttg tggacttggt 120
 ggtaccctca ctgtgtcaaa taacttaagc cagattggca catctttagg gtattcggca 180
 catagtataa ccacatttgt gtcccttatg gccatttgga tctatatggg taagattgta 240
 caggagatgg tctcaaaaat tatcatagca aaattcaaag tccctaggcc tatgatattc 300
 acattaattc ttgtattacc ttgtgctggt taccttctaa ttgctttcga tgtcccaaat 360

ggctctctatg cggcctcaat tataattggg ttctgctttg gggctaactg gccactacta 420
 tttacc 426

<210> 14123
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14123

tcttctttct ccttattgag ttccattgag tgtgagtgat agcgtgtacg tgtgtgctgc 60
 acttccattg tttagatgag tatttgcctt ccataattca ttatgggaag tgggtttctt 120
 aaataagatt tatatattct gagttataat ttctgggtggg aatattataa aaatattagg 180
 ttagttagta ttaataggta ttgtaaactt aggttaatta cgattaatat atattataag 240
 gttagggttag tcactatgct gtttttaatt tttatgtatt aatagatact tgaagggtang 300
 ttagttagtt cgggttcgttg atatatcctt agatatatat atgtgatata atattattag 360
 cntagaaat attaggcaca tggtatatac 390

<210> 14124
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14124

gctgtgcgtc actatccact attgaagcat aatacattgc agttggatgt tgttgtgctc 60
 aaagtcttta gatgaagcaa caacatgaag actttggggg aattgttgat catattccac 120
 tacaatgtga taacactagt gctataaatac tgtctaagaa tccaattatg cattcaagaa 180
 ccaagcatat aaaaattagg catcattttt ctaagagatc atgtatctaa tgggtgattgt 240
 tgcattgaat ntgtggatag tgatagggtc ttctctatta gaaatgagct angaatccta 300
 gattagttta acattgaatg atgttgtgct atgggtgtgt catcttgata tgtgctctnt 360
 gaatctgtca attc 374

<210> 14125
 <211> 401

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14125

cacaagtaag cttccatcat cctcacacat ctccttcac c aatttggtgn tcaaactggt 60
ggcattatcg gtgattatct ttctgggcaa cccatatctg caaattatct ctttcttgat 120
gaattttacc accacattcc tagtcacatt agcatatgag gtagcttcca cccattttgt 180
gaagcaatca atggcgacta tgatgaaacg atgcccattc aaaccttggg ttcgatagcc 240
ccaatcacgt ctatgcccc aatcaagaac gaccatgggtg ctgacaagac attcaatggc 300
gcagggtggng cattaacatt atctacaaag gtttggcgct tgggtggcatt tctgacgtga 360
acacaacaat cactctncat ggtgatctag taatacccca c 401

<210> 14126
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14126

gcttatcctt gngctatcaa tgtgtgtttt attgggntat gcctttgaca aaatgggata 60
gaaattatat catccttcaa ctcatcggtt ttaggtttct attgatgtca cctttcatga 120
agatgagtca tacttcattc atcctcagct tcaaagggat aggattccag aagcctactc 180
cttctctgaa tccttctttc cttctaattg cattcctcta tctttgcttc atgagcctgt 240
accaatgtgc atgtcaatcg aggctaccct ttctaattgt catgtgatct agcacctctt 300
cttgggtgtac cacatgttaa atagataaag tgaacctacc taatgccccg acaccatagg 360
tgggtgtatca aaatgagagt ggacctatat tgcgatgatt actatgat 408

<210> 14127
<211> 366
<212> DNA
<213> Glycine max

<400> 14127

tgttcctcta actccccctg caacattgca atcataccat tctcacgct caaagtgaac 60
actctctaca gctgctctac tccgaataac tctgctggtt gccatgtata caactggaga 120

gagaagcttt gtgaaatcaa taccctgtgt ctgctggaag cctttccac ctgtccatcc 180
atgtctctct cttctacagc cagacttgta ctgtagacta tacaccacc gattctgta 240
cgctttcttt ccttctgcga tgtagttaa cgaccagat ttgttctcct gaatggatgt 300
cgtctcatat ttcacgcta gctaccact cataaagtca tccccctgtg tagactcact 360
gaaaca 366

<210> 14128
<211> 290
<212> DNA
<213> Glycine max

<400> 14128

gttcatgtgt ttatttgttt attgtctaag tcgtaggggt taggggttaa gccttatgg 60
ttaggggtta gtgtcgaagc tgtatgggtt aggttttagg gcttatgggt tattgtttaa 120
ggtttaaacc ttacgggtta gaatttgggg ttaaatctct aagccttatg gtttgggttt 180
tacgggttat gagttaagcc ttatgggtta tggcttacgg ctttgggtta tggttgaata 240
aaattactcc cacttctatg catttatgaa ataaaactac attataattt 290

<210> 14129
<211> 331
<212> DNA
<213> Glycine max

<400> 14129

gtcttctct atagcccat gcaagaatgc aattataaca ttccactgct cacaggaag 60
attctctaca gctgctgtac tcacaataac tctgatggct gtcactgtga caactggaga 120
gaagatcttc gagaaaacac cttctcgttt ctgctgagac actgtcacca caaggctctc 180
cttgtgtctt cttctaccgt cagattctga ctttagccta tagaccacc tattgtcgga 240
cgctttcttt cttctggag agttaataa agaccaggtt ttattcttct gaaggatgt 300
cctctcatct ttcacgcta gctccactt a 331

<210> 14130
<211> 369
<212> DNA
<213> Glycine max

<400> 14130

taacccagct ggccttgaat tagaaaattg ttctgtcgc aagggtttgt ggtttgct 60
cctctgtga ccaccataca gacctttgcc cttccatgca gcaacctgga gtaattgagc 120
agcctggagc ttatgtgca aacatttaca atagacctcc tcaacctcag cagcaaaatc 180
aaccacaaca gaacaattat gacctctcca gcaacagata caacctgga tggaggaatc 240
accctaattct cagttggtct agcctcaac aacaacaaca gcagcctgct ccttccttcc 300
aaaatgctgc tggcccaagc agaccataca ttctccacc aatccaaca cagcaatagc 360
cccagaaac 369

<210> 14131

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14131

agcttgagat aaacaaacga cttatatctt gtactcggat gtengnaga gtcccgaat 60
atatcgagac gctcgaaatt gaataccgaa gcgcttagca nattcaaacg acaaaaactt 120
tttactcgga tgtctgattg agtcccgtaa tatatcgaaa agctcgaatg tgaatgtaga 180
agctctgagc aaattcaaac aacaataact ttttactctg atgtctgatt gagtcccgta 240
atatatcgag acgctcgaaa tggaataccg aagctcggag caaattcaaa caataataac 300
tttttactcg gatgtccgat agagtccgt atatatcgta acgcttga 348

<210> 14132

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14132

tgcagcttgt acaaatatcg tcaactcgag tgctctttat ttgtgagcat gtctgctagt 60
tggctcttgg agctgacaaa atcagtgggtg atttctgctg aaagtacctt ctctcgaca 120
aagtgacaat caatctctgt gttttgtccg ctcatgaaag accgggtttg aagcaatgtg 180
gatagcagct tcattgtcac atattagtcc agcatcctga acatctccaa attntatttg 240

ttggagaagt tgcctaagcc atgtgatctc acatgccgct gctgccatgg catgatactt 300
 ctgtgtgggt tgggtgaggt gctgtatggt tcgtttgtgt gatctacagc tagttgggtt 360
 gcagtattgc aacatgcagc aggggaagct ataatctggt ctggtgtggt gcagcttaan 420
 aaaaagtgca tgtgngtggt attatacatt gtgctgcaac tt 462

<210> 14133
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14133

gacaaacagc tgtatgctat ggtaagagct ctgccaacat ggcaacacta tttatggcca 60
 acggaattca taattcattt cgaacaccaa agtttgaagt ttctaaaatc tcaaggtaag 120
 cttcaaaaaga gacatgccaa gtggctggaa ttcatagaga tgtttcctta tgtgatcaac 180
 gacaagaatg gtaaagaaaa cataatgggt gatgctttgg ctagaaggaa tgctntgctt 240
 acttctttgc anactaaatt gcttggatgt gagtatagaa atgacttgta tgctaataa 300
 tctgactntg acaaaggatg ggattcttgt ctacacatgt ttgtgggaat attatgacac 360
 aatg 364

<210> 14134
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 14134

ttcattcgag agtatactct ctcatcatac tcatgagatt tctagtgcct gctctgatac 60
 ccacagagat tctgattctg aggacagacg tcggaccgga tgtctcgtca tcatgcttca 120
 caacatg 127

<210> 14135
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14135

atgcgaacca agaagaatga aatgaacaga agacgttggtt gggattatcg nctacgggcc 60
 ttaaacagag aaacgaatca aggacctaaa aagggattat taaagagggtt aaaanaacgg 120
 aaattgttaa acaagaataa cataataaca gtattttact tgagtcataa cataatntct 180
 tttatattta ttatttgata atcgatacac attataagta tttagttnta ctatttatat 240
 tgtttactag atataaaact tagacggaat atacgcgtta accgtaaaaa tcataaaaaat 300
 gtctttcgat agataattat attntcatgc tagaatttat tgacaaatac gaattttttt 360
 tatcatgaat cactaaaatt atattttgat tgtaagtttt ttttatcaaa tatataaatt 420
 tcaacttaag ataattgtta tatgttgaca aaatagtatt ataattcgat atatatctat 480
 ataaagat 488

<210> 14136
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14136

agctngaagc gagagttaaa tgagatctct tnttggccaa tatggaactc cttcctaaga 60
 atgctagagt catgaaacct cttcactttc tccttgtaaa tcttggaggt ctcataagcc 120
 tctaagcgga tatectcaag ttcttgaaat cgaagcttcc tttccatact tgcttcatca 180
 aattccatgt tacaactctt caccgcccaa taagcatggt gctcaatctc caccagaagg 240
 tggcatgcct taatgaaaac caccttatag ggagacatcc cttaaagggtg ttggtaagcg 300
 gttctgtgag cccatagagc natttcaagt agcttgctcc aatccttcc attgagctac 360
 attactttct acaacacttg ctngatctct ctatttaaaa ccttcacttg cccaatagtt 420
 gggggatgat aagttgtagc aactctatgc ataaccatat tct 463

<210> 14137
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 14137

ctatccaata ctcaagcttg acaagaaagc agaaccggga atatctgtgg gttatagtct 60

tacttcatag gcctactaaa tctacctacc acagagaaac atagtaatcg tcagcaagga 120
 tgtcaaatat ttggagtcag atagttggga ctggaaaaat gataagaggt ctgagtttca 180
 tgaggagaat gatgatgttg atgaacaacc catcatatga accagatcac tttcagacat 240
 ctatcatagg tgtaatgttg ttgtaatgga gcctgagggga tatgaagaag ctacagctga 300
 tcagaaatgg agaaatgcaa tgaaagagga gcttataatg attgataaaa ataaaacatg 360
 ggagctggtg gacagaccta accacaagat agcgattggt gtcaagtggg tttat 415

<210> 14138
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14138

gcttcaacat cagaccactt ncattgtgct tgaactactt cacatggact tgatggggcc 60
 tatgcaagtt gatagcctag gaggaaagat gtatgcctat gttgctgtgg atgatttctc 120
 cagatttacc tgggtcaact ttatcagaga aaaatcagac acctttgaag tattcaagga 180
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aatagaatca ggagtgacca 240
 tggcagagag tttgaaaaca gcaggtttac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatta caccacaaca 330

<210> 14139
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14139

cagaanataa tttccaagag tcacatctgt tgccatcaaa ggtctattta tatgtgacat 60
 agaacacgaa tttgcgaaga gtttttgaga acaaaaaggt cttatcctct caaaaaaaga 120
 aaaattatct tatcctctta aaaattcctt ggccaatata cttgcaattc aataagggaa 180
 ttatttgagt gtcattgt tcaatctatc tctttcaaga gagatttctt cttctcttca 240
 tcttatttct aaaaagggat taagagaccg agggctctct gttgtaaagc aatctgtaca 300
 caaaggaagg gttggtcctt gtgtggtcag aactngatgc aatactaccc cgcaagggca 360

ttggatagaa gactccaaga agattgagcc agagatgcaa g

401

<210> 14140

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14140

actcagctaa tattgtaggc ttcttccttg tgtcaacttg tcaaattgtg cctcttact 60

aacaaagagg ataggcttat atgcataagt gtccctcacc tgagaagtgc ttcacaggca 120

aatgctcttc cagtcattgg agtcaatctt gtagaaagca taatactcct cctttgtgat 180

ctcctaaggc tctgtcatcc aaatggcctt atccttcttt ttgtaagtgg gaaaacaaag 240

tcctctatag gtttccccct cacgaaggat ttttcctttc acagcaaact aatgttcaat 300

ntacgaatgg taaccggcag atctgaatga atttccttac cttaagtctt cctaattttt 360

tgtcactaac taactctaaa actaatattc taattatccc taattaactc ccccttccta 420

cggtcctaat gg 432

<210> 14141

<211> 339

<212> DNA

<213> Glycine max

<400> 14141

gctatgcaaa atcatcaaag gatagcagct gctgactcag attctggaac aaatgttgct 60

gggaatctat caaacaaact aaaatagcag aaaaaaaagg attcggccct gctatcagat 120

gatgttgaga tgatgagatc ctcatcacgg gagtcaagtt cccccaaaaa atgcatgcat 180

tgtgaggtga caaaaacccc acaatggaga gagggacctg tgggtcccaa aacactgtgc 240

aatgcttgtg gtgttcgata cgggtctggc cgctctttc tgaataccga ccggcagcta 300

gcccgacttt tgtagcatca ctgcactcat actgtcaca 339

<210> 14142

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14142

ttgattcaac cgagcattaa ataacatgat caatgtgcag atgcaaatat aactaaaagt 60
atagggttat attttacctc gaggagaaca tcctgtgact catccaagac aatttcatct 120
aaattattac caactactat ttccacatca ccatcattct gtttccaagt taccatacac 180
gttaagcatg aaaaactaaa ttaatatgac ataattgacg gtgggaaaat taaataacat 240
acactttcag gaactggatc tgacttgtaa aaaggtgtta gctcgtcttc aacgaaatct 300
tgcccaaagc cctgtggaaa aatgaagatt agaacattac tcaaaatatt gctntcacac 360
ctctattaag tgatagataa accatccatg cacattctct atcattaaca tgttagcaat 420
agtaacagaa cc 432

<210> 14143

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14143

tcggatgtct gattgagtcc cgaaatatat cgagacgctc gaaattgaat accgaagcgc 60
taagcaaatt caaacgacaa taactttnta ctccgatgtc tgattgagtc ccgtaatata 120
tcgaaaagct cgaatgtgaa tgtagaagct ctgagcaaat tcaaacaaca ataacttttt 180
actcggatgt ctgattgagt cccgtaatat atcgagacgc tcgaaatgga ataccgaagc 240
tctgagcaaa ttcaaacaat aataactttt tactcggatg tccgatggag tcccgtaata 300
tatcggaacg ctcgaaattg aatgctgaag ctctgagcaa attcaaacga caataactct 360
ctactcggat gtctgattga gtcccgtaat aaatcgagaa gctcgaaa 408

<210> 14144

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14144

ataacaccaa gaatgactat ctactccac taaacttgtg gtatacacia tcatcaactg 60
catttgctc aaaaccatat gatgtaatga cttgatggaa cttgtaatac cattgacggg 120

aagcttgttt caaacatag atggatttat ttagtttaca aaccatagac tttgagtcac 180
 ctgatacaaa gttntctggt tgcatacat aaattagttc ttcaatgtca ccatttagaa 240
 atgtagtctt aacattcatt tgatgtagct ctaaatacata atgagctacc agtgccatta 300
 ttggtctaaa agaatacctt gaagatacta gagaanaggt ttctttatac tcaatgcctt 360
 cctttaggta aaatctttat ggactagatg agccttatat ctctcgac 408

<210> 14145
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14145

tccttcttat catgagataa gagttccact tcttaccaag gaattagaga atacagaaat 60
 tntgttgaaa gaccataagg agcaatgggg aagaattgga tgttcaatta tgtctgatgc 120
 atggacagac agaaaacaga gatgtatcat taacttcttg atgaattagc cgttttgatt 180
 attccttttc tatacaacaa tagatgcac caattttgtg aaatctggag aaaatatatt 240
 tgagttgttg gactctattg tggaagagaa tgaagaagaa aagggtgtcc aagttataac 300
 atacaatgga agcaactatg ttttggcagg taattactca acaaaagatg cacatttata 360
 ttggactcct tgtgcagcca ctgcatagat ttgatgttgg aagacattg 409

<210> 14146
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14146

cagcttacgc cttaatcaat tataaaaaat ttttataatc atgtttcaca attgaaataa 60
 tcagggttac ttaagtgatt attttataat ttttaataga taaatgacta aattataagt 120
 taaaaataaa gttaaagaac caaatgagta atttaataca ataattgtga tgtttgaaaa 180
 cactcacaag acttatatat tntaattttg ataattcatt aagatataat ggataatatt 240
 aattcttctc acttttgcac taaaacattc tcactaaata tttcatcttc tctctttcac 300
 ataaaaagca aaaactcgct agatagagag agaggactta aatttgngtt tgataaaaac 360

tactgtgaag cttattaaaa tatctataag aatcataaat cattctaaca agcttaacaa 420
aatacatact cattattact ataatc 446

<210> 14147
<211> 375
<212> DNA
<213> Glycine max

<400> 14147

acggagtttt ccgactatgt tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga 60
aatgaagagg caatgggtga tacatggacg gagatgaaaa agatcatgag gaagcggat 120
gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac ccaaggcaac 180
aaggggggtg aggagtattt caaggaaatg gatgtgctca tgattcaagc aaatattgaa 240
gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactgatga tatccgtgat 300
attgttgagc tgcacgagtt tgttgaaatg gatgaattgc ttcacaaagc aatccaagt 360
gagcaacaat taaaa 375

<210> 14148
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14148

gcttctgttc tgaatctoga gcttctcata tactactgga aacaancgga catccgagta 60
aaaatgtttt gttgtctgaa ttntctaaga gggtatgatt tcaatcttga gcgtctcgat 120
atattacgag actcaatcaa gcatccgagc aaaaagttat tgtcgctaaa tgtttcttac 180
agcttctatt tccgattatg agcgtctoga tatattacga gattcattcg gacatccgag 240
taaaaagtta ttgtcgcttg attttgctca aagcttctgt tatgaatata gagtgtctcg 300
atatactacg ggacacaatc ggacatccga gtaaaaagtt attgacatgt gaattgctca 360
tatcattcgg tgtcaattac gagcgtctag atatatt 397

<210> 14149
<211> 160
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14149

atcagagaga gaacagacac ctttgaagta ttcaaagagt ngagtctaag acttcaaaga 60
gaacaagact gtgtcatcaa gagaattatg agtgaccatg gcagagagtt tgaaaaccag 120
caagttactt gaatctgcac atctgaaggc atcactcatg 160

<210> 14150
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14150

tgtaaccac catcttcgca tagtagaaca ccgattacgt gtccactatc attgttatca 60
tctccctctc catcattggg ggcactactt gagctgccag atccctccac ctttgggcgt 120
attctttgaa agattcatgc tccctcttac acatattttg caggtacatt caatcaggag 180
ccatatcaga attggactaa tgctgcctaa taaaggcaac cattatgtct ttccaggaac 240
gaacccggga agactccaga ttggtgtacc aggtggtggc taccocagta agactttcct 300
agaagaaatg cataaancaa ttttcatctt ttgcatatgc tctcattttc ttgcagtaca 360
tcttcaagtg attcttgggg caagtagtcc ccttgtactt atagaagtct ggcaccttaa 420
acttcggagg aatgaccatg tcgagcacta agcacaacct tgccatgtca aca 473

<210> 14151
<211> 431
<212> DNA
<213> Glycine max

<400> 14151

tggatctcct ttagtaggga atctatcctt cctaagatgt gagccaacct aatcccccta 60
attaagaact agctcatttc ttctcttatt gctcttagtt gaatacgctt ttgtttgggt 120
ctctatttag gtcttaaccc tctcatgcaa cttttttaca aactctgacc tagattcgtc 180
ttctttatgt ataaaagaag tgtcaagtgg gagggaatga ggtctaaggg tgttagggga 240
ttgaacccat atacaacctc aaaaggggat tgcttagtgg ttctatgaac cccccctgtt 300
gtatgcaaat tctacatgag gaagatactc atcccaagac ttatcggtgc ctctcagaag 360

atcccataat aggggtggata aggacctatt cactacctct gtttgcccat cagtttatgg 420
 ataacaagtg g 431

<210> 14152
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14152

tacggacact atgaaactca gcgttgctac ccaaggaacc atcaggaaat tacttgtgaa 60
 tgagagccat gaggggtgggc tcatgggccca ctttgggata gacaagaccc ttgtcttact 120
 caaagaaaag ttntattggc cccatatgaa gaaagatgtc cataagcatt gcactagggtg 180
 tgtggcttgt ttacaagcca agtctagggt gatgcctcat gggctataca cacccttacc 240
 cattccatct gcaccttggg tagacattag tatggacttt gtccttgggc tccctagaag 300
 ccaaagaggt gtagactcta tctttgtagt ggtggatagg tttagcaaga tggcacactn 360
 tataccatgc cacaaggtgg atgatgcttc ccatatctca naactctntt ttagtggaag 420
 tgtgagactc catgggttgc ctacgaccat tgtgtcagat agagatgcta agttcct 477

<210> 14153
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 14153

gctagaacac cgcctcatat gctgagaaca ccacttatta tggaccatca tgttggatca 60
 gcaccagttg ttacagcctc gccctgtgaa aggcaaaatt cttactttgg aggggtccct 120
 gacgcttctg gttttcgctt gggttctcta ggaagtggag gttttcatgg ttcttgga 180
 atgcatccac tggatatacc ttctcacaac atgttatctc atgttgtggg gaatgtgtcc 240
 gaactgacaa ccaatgctgg gcataactct cctaaacaac tatctcatag tttcccatag 300
 agacatgcta tgtcttctat gactaaactt gatgctctca aagaacgctt tataaacctt 360
 ctaactccta aaatgaatct agcaccaaca atgcttataa aaaactgtat gaac 414

<210> 14154

<211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14154

catacaatac tcaagctggg acttncctatg ttctgggaac ctctgcgtac ttaggtgtat 60
 ttttaacccaa tcacctgggt caagcatgac tatctttctg cttgagttgg cttgccttgc 120
 atatctcaca gttttctttt caattcgagc cttcacttgc tcatgcagct tcttcacata 180
 ctcagctgta tcctgtgctt ccttatgctt aagcatatca atgttatgca taggccacaa 240
 atcgagacga ggcaaatgat ataatccgta cactacttta aatgggtgaac aattagttgt 300
 gctatggaca ggcctattat aagcaaaactc aacatgagggc aaacatcggt nccaagatgt 360
 aagaattttc tttaaaacag tcctaaacag tggacctaaa atcctatgac taccacaggt 420
 tgaccat 427

<210> 14155
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14155

ntgagaatat ggttgcagcc attgggtcaat atggggccata tttgcccatt catagctatc 60
 atgacattag agttccactc ctgaagaagg aagttgaata tactgaaaat ttgatgaaag 120
 gctataggga gcaatgggtc aagtatgttt gtactattat gtccgatgca tggactgatc 180
 ggaaacaaaag atgcatcatt aattttttga ttaactctca agctgggtacc atgtttntga 240
 agtctgttga tggctctgat tttgtaaaga cagggtgaaaa tctttttgag ttgcttgatg 300
 ccattgtgga ggaagttgga gaagcgaatg ttgttcaagt tgtaaccaat aatgagagca 360
 actatgtttt agcggngaaa gttgtggagg agaaaatgaa acatatttat tggactcctt 420
 gtgcagctca ttgtattgat ttgat 445

<210> 14156
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14156

ngaatatagann attttgggct gaggcagcca gttcaacatt ctatctcatg aatcactcac 60
catccaatgc cataggcttc aaaaccccta ttaaggtatg gcctaacaaa ccaactaaat 120
actcaatggt gaaggtgttt ggatctttgg catactatca cgtaagtga ggtaagctag 180
agtatagagc caagaaggga ttctttataa gctttgttga tgaagtcaaa ggattctaag 240
tctggtctcc atttgaaata aaagtcattc taagtagaga tttcatcttt aatgaattct 300
ctatgatgca ttctaaatct gatgaagatt tgggaaagcc tgaggatgtc actaagcaag 360
tggagttcga gatctcaata atcaggaaca ttagngatca gaagcaattt aaagcacctg 420
atgagactga tcagaatctt caaattcacc attaacatca tagtgaacac caat 474

<210> 14157
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14157

tttgttactc aatttcgagc gtctcgttat atatgttctt tattcggaca tgcgtgtgaa 60
atgttatgat catttgaatn tctcgagggc ttctattggt caatttcacg cgtctcgata 120
tattatacgc ctgaatcgca catccgtgtg aaaagttatg accttttcga tttctcgaga 180
gcttccggtg ttcaatttcg agcgtctaga tatattatgc gccagaatcg gacatccgtg 240
tgaaaagtta tgaccatgtg gatttatcaa gagcttctgt tgttaaattt cgagcgtgtc 300
catatattat gcgcttgaat cggacatccg agtgaaaagt tatgaccatt tggatttctc 360
aagagcattc gttgatcaat ttcgagcatc tctatatatt atgcacctg 409

<210> 14158
<211> 429
<212> DNA
<213> Glycine max

<400> 14158

tcaagaatca agatcaatat tcaagattca aggttcaaga ttctcaagag aagacttaat 60
caagataagt atgaaaagga tttttcaaaa actgagtagc aaatggattt tttacaaaac 120

atgtttacca aagagttttt actctctggt aatcgattac cagtagcaaa atgtttttga 180
 aaaagttttc aaattgaatt tgcaacattc caattaattt caaaaagctg taatcgatta 240
 caatgttttg gtaatcaatt accagtgcac ttgaatgttg aaattcaaatt ttaaattgtga 300
 agagtcacat cgtttcacat aaaagccttg tgtaatcgat tacactaatt tggtaatcaa 360
 ttaccagtga ctatttctga ataaatcaaa agatgtaact cttcaaatag tttttttact 420
 ttttcaaatt 429

<210> 14159
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14159

gacaacaacc tcagcaccag gtttgacaat atctgtcaat gagatcatga gactccttcc 60
 gtccaagggtg gtgagatcca acgttntacc agtaagggcc tcaagaagggt ttatctcttn 120
 ggtgatcacc aaatcattac catcccttct ataaagagca tgcggcttct catctatcac 180
 anaaatgaga tctgctggga tgacaccagg ctcacgggta cctttctct 229

<210> 14160
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 14160

tcactcgggtt gttcgtattc aggagtatca catattgaga cgctcgaaat tgaacaacgg 60
 aagctctcga gaaattgaaa tggtcataac ttttactcgt gatgtccgat tcaggcgcac 120
 cacatatcga gacgctcgaa attgaacaac gggagctctc gagaaattca aatggtcata 180
 acttttcaca cggagggtcaa attcaggcgc atcacatata gagacgctcg aaattgaaca 240
 acggaagctc tgaagaaatt aaaatgctga taacttttca ctccgatgtc caattcaggc 300
 gcatcacata tcgtgacgct cgaaattgaa caacggaagc tctccaaaaa ttcaaatggt 360
 cataactttt cacac 375

<210> 14161
 <211> 421

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14161

tcagaacttc tgtagggttt cagggtttc catcagtctc ttattaatct gccatatact 60
cagccggtat taggcctcat gagctttctc atattcagca gcttattgga tttagcttgg 120
gtgacttccc tttcagatac ttaggtgttc cccttttctc atctagatta aatgtatgtc 180
attatgctcc cttgctttcc aagattactg tcctgattca gggatggagc aaaaagtctt 240
tatcttatgg aggtaagtta gagttgatca gagcgggtat tcaaggaatt gtgaatttct 300
ggatggggat ttttcctttg ccgcaatctg ttctggactg gatcaacgct tcgtgccgta 360
attntctgtg gggcaaagcg gatattggca aacacaagcc cttggttgct tggtcagtag 420
t 421

<210> 14162
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14162

ttcatgcagg tggaccttct tctagttatt atgacttacc acaatcgtct ttccctcttc 60
cattcccacc tagagcaatt ccaaacaaaa aaatggaaga agcggaaaag gagatcttgg 120
agaccttcag gaaagtagag gtgaacatac ctctgctaga tgccatcaag cagattccaa 180
gatatgccat gtttctaaag gagctgtgca ccacaaaaag gaagctcana ggcaataaaa 240
gaattagcat gggtagaaat gtgtcagcat tgataggtaa atctgttctt cacattcctg 300
agaaatgtaa ggacccangt actttctgta taccttgcac tattgggaac aataaatttg 360
agaatgccat gctagatcta ngagcatcag ttagtgtcat gcctctgtct attttcaatt 420
tnttatctca tagaccctng taatctacag atgtggtgat tca 463

<210> 14163
<211> 433
<212> DNA
<213> Glycine max

<400> 14163

cttgatgcaa cagttggaga ggttaatgga agaaggatat gttgcgctcc atgagaggtt 60
 ggatcaaatg gagaatagag atcataatga agaagaaagg aggagaagag ggaatgatga 120
 tgttcctaga caaaaccgaa ttgatggat taaactcaac attcctctct ttaaaggaaa 180
 gaatgatcca gaggcctact tggaatggga gatgaaaata gagcatgttt tctcatgcaa 240
 aaactatgag gaggaccaa aggtcacgct tgccgccacg gagttttccg actatgctct 300
 tgtgtgggtg aacaagctac aaaaggagag aacaagatat gaagagtcaa tgggtgatac 360
 atgggcggag atgaaaagga tcatgaggaa gcggtatgtg ccggctagtt actcaaggga 420
 cttgtaatca agc 433

<210> 14164
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14164

gaagctcctg ttntagctnt acccgattnt actctttcat ttgaagttga atgtgatgct 60
 agtggagttg gcattggggc tgttttgata caaaacaaaa ggcctatagc ttatttctcg 120
 gagaaattgg gaggagccag attgaactat tgcacctatg acaaagagtt ctatgccatt 180
 gtgagagctc ttgatcattg gaatcattat ttgcgttcta atcactttat attgcattca 240
 gatcatgagt cattgaagta tatcaatggg cagcagaagt tgagtccaac gcatgctaaa 300
 tgggttgaat ntcttcaatc ttttaatttc tcttcaaaat acaaggatgg taagagtaat 360
 gtggtggctg atgcactctc aaggaggtat gctttaatct caattcttga aactcggtac 420
 ttggtttgag acttgaaaga tatataaaga aatgtggatt tggtgaaata ctcta 475

<210> 14165
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14165

ctaagctcca ccattttgta gggtttcagg gctttccatc agctctgttt aatctgccat 60
 atactcatcc gatattaggc ctcatgagct ttctcatatt tagcagctta ttggatttag 120

cttgagtggc ttccctttta gatacttggg tgttcccctt ttatcatcta gattaaatgt 180
atgccattat actcccttgc tttccaagat tactggcctg attcagtgat ggagcangaa 240
gtctttatct tatgcaggta agctagagtt gatcagagta gttattcaag gaattgtgaa 300
tttctggatg gggatttttc ctttgcctca atctgttctg gatcggatca acacttcatg 360
tcgtaattnt ctgtggggca aagcagatat tggcaaaaac aagcccttgg ttgcttggtc 420
agtagtttat tctccgacaa aagaat 446

<210> 14166
<211> 492
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14166

tggacagcat caaccttggc cattctaaaa tcttcctttt tcttatcagt gccctctnta 60
atgtatgcag ctggttcagt aatatttgag tccatgccat tgatgtttac cccaacatgg 120
tttccttcag tgtctgagtc atctttgtaa ccattcattg tgtcaaactc aactgcaaag 180
atgtggtttg actcattccc atcattgggtg gagttaacaa ggccaagata atggccagcc 240
tcagccccag gaaactgtgt tgaggggtgct atggtgaagg caaggccaaa gccaccagaa 300
ccagaacttg tggacacaat tgagaaaaca aaattgggtgc tgaaggaata agcatatggt 360
tggtttgtgt tgttaagcat ttggaagggg gtggcataga atgcatggcc tacaatattg 420
gttgatctgt tggtagagttt aagtaaacgg ctggttttga tgatggaaga tccttcaaga 480
atgagttcac tg 492

<210> 14167
<211> 209
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14167

gagaatgtca tggatcactg tatataccan aaggtcagtg ggagtaagat ttgtttcctt 60
gcattatacg cagatgatat tctgcttgcg actaatgata agggatatgct gtatgaggtg 120
anacatattc tctcaaagaa ctttgatatg aaggatatgg gagagacatc ttatgtcata 180

agcatacaca tccatagaga aagatctcg

209

<210> 14168
<211> 345
<212> DNA
<213> Glycine max

<400> 14168

tcctccaacc acgagttgga gccatgcgta ggggtttttt gtgcttttct ccattctcaa 60
tctttttgcg aagcccata aattgcgttt tcgttcatgc gacctccacc cacgagtttg 120
gagacatgcy caatgattgc ttaatgcaat tctccattct caatcttttt tcggagcccc 180
atgaattgcy ttttcgttca tgcgtcctcc acccacgagt ttggagacat gcgtagtgat 240
tgcttagtgc aattctccat tctcaaccct ttttcggagc cccatgaatt gcgttttcgt 300
tcatgcgtcc tccaaccacg agttggagcc atgcgataag gttgc 345

<210> 14169
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14169

tatgttgcaa aatntataat agaccccctt attctatggt tccaacaaca acaaaataat 60
tatgatcttt caagcaacag atacaatcca ggtagagga atcatccaaa tctgagatgg 120
acaagtcctc cacaacaaca gcagcttgtc cctccatttc tgaatgttgc tggccaagc 180
aagccatatg ttcctcccc aatgcagcag cagcaacaac aacaaaggca acaagcaact 240
gaggatcctc ctcaaccttc cttagaagag ttagtgagga aaatgaccat ccagaatatg 300
caattttagc aagagacaag agccttcatt cagagtctga caaataagat ggggcagatg 360
gctactcaga tgaaccaagc tcagtcccaa aattctgaca aattgccttc acaaactgtc 420
cagaatccca aaaatgtgag 440

<210> 14170
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14170

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cttgaggaaa ttcaaacgac aataccttgg gactcgtatg ttgtattgag tcacgnaata 60
tctcgagacg ctggaaattg aataccgaag ctctgagcaa attcaaacga caataacttt 120
ttactcggat gtgcgagtga gtcccgaat atgtcgagac actcgggaatt gaataccgaa 180
gatatgagca aattcaatcg acaataactc tttactctga tgtcggattg agtcccgtaa 240
tatatcgaga cgctcgaaat tgaataccga agctctgagc aaattcaaac gacaataact 300
tttgactcgg atgtcggatt gagtcacgta atatctcgag acgctcgaaa ttgaatactg 360
aagctgtgag catattcaaa cgacaataac tctgtactcg gatgtgcg 408
```

<210> 14171
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14171

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cacacttgag ctttgtagct actatatcaa ataagtgtaa taagatattt gtcttttttt 60
tctgaattct cacatcaatg caactatntg atgaattata agtaaaataa tctggaatta 120
anaagtataa tagtttaaata cttntaaca atattctttt taatatttat aaaaatgaaa 180
tananaacata aaattttatt cctgggttatn taataaataa caaagaataa taggaagatg 240
ttataataaa ttagctcata atttattatt actcttaata gatgtggaga acattcaaaa 300
ttat 304
```

<210> 14172
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14172

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agcttgtang gttaaagtct cagcattggt tcgtgctgat gcaacaattg gtagccccggg 60
ctatacgaga catcttgcca aacaaagtca ggttagcgat aactcgctg tgctttttct 120
tccatgctat atgtagcaaa gtcattgatt cagtcaagtt tgatgagttg gaaaatgacg 180
ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
```


ttcacttgat tatgcatctg gtcagagaaa tcaaagtgtg tggtcctgtt tatctacgat 300
 ggatgtaccc ggctgagcaa tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
 gtctagaagc atcatggcag aacaagctag acatgtattt tacgtg 406

<210> 14173
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14173

agctnggcaa acatagttga cacagaaggt ttttctctc tatatagaag catnaaatca 60
 ttggcaaaag ccaaagaga tagctgaata cctgcacagt ttatatataa atttaaaatt 120
 ggcataatcc ttgaggctgc tcatatctct agaaaattac tccaaacaaa gcacaaacag 180
 ataaggggag agaggatccc cttgtctaag accccgctgc cttttgaagt ggccataaat 240
 ggatccattg actgccgcac taaaggaagt ggaagaaaca cattccatga tccaagtaca 300
 gaactgggct gggaaaccaa tggacttaag catccaatcc aagaatttcc atgaaatgga 360
 atcataagct ttatgcaagt caattttcag gaggcattct gaagaggatc ttttcattca 420
 tatntacgca aaatatcttg aactaggaag atgtc 455

<210> 14174
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14174

agcttggtga gaaattgtac aaactttagg tatttggttg gcatgctatt actagatttg 60
 ccacttctta tctaacctta gaaaggctcc acaaagagaa aactaatatt ggaaagatgn 120
 ttatttttta tgaatggatc ttaaacaagt tatctaagga gcttaagggg aaagaagctg 180
 taaaggtagt gctcatgcct tctttttgga atagtgtggt ttacactctt aaagtcattg 240
 gtccacttgt caaagtgctt cgtcttggtg atgatgaaag gaaaccatcc atgggttata 300
 tctatgaagc aatggacaaa gcaaaagaaa taattaacaa gtctttcaac aaccacgaaa 360
 gcaagtacaa agatgtgtnt gcaatcattg attaaagat 399

<210> 14175
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14175

agcttaattc ccaaaatcac atctacttga ttcttgttct tttatgncaa agnttctaaa 60
 caatatggac ttgacatcat ttatgagggc atttacaatc tttattgntg ngncagccag 120
 atacaaacat aaaatgacac atccattatc ataaaaaaat ttcacataca cacatttate 180
 actatcatta atttgaaaat catacgaaag aataacttga tcaaatttgt gtgtcattac 240
 tttagggctt gtttcaaacc atataaagat ttaacaattt atttttcaag gaaaaacatt 300
 ttcaaagaaa gtgacatctc tagatttcat aatagtacca ttagaaattt cagacatttc 360
 taaattaaca actaagaatc tataagtagt attatgt 397

<210> 14176
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 14176

gatagagcca aacccaatcc ccttcattaa aaacaagctc ctttcttctt ctattgcctt 60
 tagatgaata caccattgtc tggttctcta tgcgggtctt aacctcttca tgcaactttt 120
 ttacaaactc tgacctagat tcccccttctt catgtataaa aagaagcgtc aagtgggacg 180
 ggaatgaagt ctaggggtgt taggggattg aacctataga caacctcaaa aggggattac 240
 ttagctgttc tatgaacccc cctgttgtaa gcaaatacta catgaggaag atactcatcc 300
 caagacttat 310

<210> 14177
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14177

agcttctaga gggtgtgctt atctattcct tctctgacag tgcgtgggta agcccagnac 60

aggtagtttc aaagaaaaga ggaatgacag ttgtccaaaa caagaagaat gacttgatac 120
ccactcggac tgtcactggc tggatgaatat gcatcaacta ccgcatgctg aatgaagcca 180
caaggaaaaga ccacttttct ctgcccttca tggatcagat gctggaaagg cttgtgggac 240
aggcatacta ttgtttcttg gatggatact catgttāact aaattgtggg ggaccccacg 300
gatcaagaga agatgacctt tacatgccct tttggtgtct ttgcctacag 350

<210> 14178
<211> 275
<212> DNA
<213> Glycine max

<400> 14178

gcagtaatat atacacaagt tactcggaaat aactaactta taacttacta acgtggagta 60
taagaactga aaagcaccgc gcatgagtgc tttggtgtat atatatgcaa gttgattagc 120
agaagttatt ggaagcaatt tgacaagctc gacaaggatc ttcttttgaa cgatatgaca 180
atcaattttg atatgttggg tcctttcatg acacacacga tttgtagcaa tatgtaaagt 240
tgactgggta tcatatgaca aaatagcagg ttgat 275

<210> 14179
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14179

catgcaagct tctcttctaa tatagaagca gctgatatac ttttttttat caggaatnga 60
gaagctttca ctgttaacat gataattctg tttttgcaca gcttttacag cagctactct 120
agctgcattg gctgctctat tagaagctgc tacagctctg ttcacccctt catctacctt 180
ggccatatca taggctttct ctgcggcttg tcttgcttcc tattttttta acaataaac 240
acaattttat aatgaaaatt gactcataat gctgtaaaat atctaactgt ctgcaattct 300
tttcttctcc tccattacaa gggtgagcta attttatgca caaaagacaa gacatccaaa 360
ttctgcatgt agactgtatc cngacttcaa taaaatttgg ttt 403

<210> 14180

<211> 287
 <212> DNA
 <213> Glycine max

<400> 14180

gctccaaaat ttggctacac aaattcaatt tcaaattcaa gtgatatctg aatagaaatt 60
 cagatttccc cccaattttg tgtgacactt aagctataaa tagaggccat gtgtgtgcat 120
 ttattaaact ttgatcattt gagaaattac acttcaaagt tcagacctca tttgaggcac 180
 acaatttggg gttcttttct tccctctgcc tccactcacc ttctcctacc ttcaagctct 240
 tatccatggc tccttatgtt ggtgagcctt ctcttgactc atcctct 287

<210> 14181
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14181

agctcgccgc cacagagttt tccgactatg tcttttttgt ggtggaacaa gctacaaaag 60
 gagagagcaa gatatgaaga gccaatgggt gatacatgga cggagatgaa aaagatcatg 120
 aggaagcggg atgtgccggc tagttactca agggacttga aattcaagct ccaaaaacta 180
 acccaaggca acaagggggg tgaggagtat ttcaaggaaa tggatgtgct catgattcaa 240
 gcaaattatt aagaagatga ggaggtaact atggctcgat ttcttaatgg tttgactaat 300
 gatatccgtg atattgttga gctgcaggag ttcgttgaaa tggattattt gcttcacaaa 360
 gcaatccaag tggagcaaca attaaaaagg aaggagtggt ctaagaggag ttntaccaac 420
 tttgattctt 430

<210> 14182
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14182

agctgtgaat gctctattca atgggaggga taagattatt ttttgactga ncaacacatg 60
 cacagggggc aaggatgcat gggagatcct gaaaaccact catgaggga cctccaagt 120

aagatggcca gattgcaact attggctgca aaattcgaac atctgaagat gaaggaggaa 180
gagtgtattc atgacttcca catgaacatt cttgaaattg ccaatgctcg cactgccttg 240
agagaaaaga tgacagacga aaagctggtg agaaagatcc tcagatcctt gcctaagata 300
ttagacatga aggtcactgc aatacaggag gccctataca tttgcccattg agaganatga 360
actcattggt tcccttcaga cctttgagct atgactcttc gatgggacgt gaaagaaagc 420
aagaatctgg cgctcg 436

<210> 14183
<211> 356
<212> DNA
<213> Glycine max

<400> 14183

agcttcacta tttcaccatc catatTTTTT ttctgtttat aatcaaacc ttcatgaatt 60
tagcatatgt tggcatctac tctaacgcct cagaaaaagg aatgttatta tgcaattggt 120
taaaagtatc tataaaacgc ttgtactatt tttccttata tttctttgac agagcatgct 180
gataacgatg atgctcaact ggtgaatggt ttactatagc tttaccatta ttagtggttt 240
gttcatttga tttcttcttc tctttttcac ttaccactat ttcactggtc accactgcat 300
catttttcta acgttcttct tcagctcctt ctttattctt tttctcatca ttaatt 356

<210> 14184
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14184

agcttattct gtgccatagt gctcntgttg gttatctcta ataggcttct ctctgtagga 60
atatgagtct gatcatgtaa aatagcatga tcactagcag ccatattctc aataagctcc 120
atagcttctt caggggtctt caatttaac ttcctccaa cagaagcatc caattactac 180
ttggattgtg gtctcaaacc atctataaaa atatttagct gaattggctc agagaatcca 240
tgagttgggtg tttgtcgtag caagctacgg aatctttcaa gtgcttcaact caaagattca 300
tctagaaatt gatggaatga ggagatagct gccttgccct cagctgtctt aaactcanga 360
aaatatttct tcaaaaattt ctcaacaacc ttatcccaag tcttcaagct atttccctta 420

aacgaatgca gccacctatt

440

<210> 14185

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14185

actatcacta gacctganga tatgcttgca gtgaacaacg tttgccaatt catggcaaatt 60

cctttggata cttcatgggc ttcattctaa gacagctatt tggggctttg tgatgcagac 120

tgggaatctg atatagatga cagaaggtct acttcatgcg cacccatcta ttttggtcct 180

aatctaatat cctggtgggc tggcaagcag caagttgttg ctatatcaac cacagaagca 240

caatatataa cgttagctca gactactgca gacatattct ggattcacac cttattaact 300

gaattaagag tct 313

<210> 14186

<211> 239

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14186

tgaacctatg ctganatatt acaatagacc tcctaacctc atctcanaat attcccagca 60

gagtcaatat gacctgtcca gcaacagata caacctgga tggaggactc acnctaacct 120

cagatggtcc agccctcagc aacaacaaca gcagcctgct ccttccttac aaaatgttgc 180

tggcccaagc agaccataca ttctccacc aatccaacaa caacaacaac cncagaaac 239

<210> 14187

<211> 209

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14187

aacagatgtg acatgaacca ttgctgctat ngtaagaaat atactaatag ttatggtatc 60

cttatcgngt atgttgatga catgttgatn gcaggatcta gtatgacaga aaataacagg 120

ttgaagcaac agttggcaga aaactttgaa atgaaggatc ttggtccagc taaacanatc 180
 cttggtatga gaattcttat aaacagatc 209

<210> 14188
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14188

ctctagcaag aggttttagtg aagatgtcag ctagttgatg cccactatca ataaactcaa 60
 tgcagcaatc accctttgat atatgatctc caagacaatg atgtcttata tctatatngt 120
 tggttctaaa atgaatgatn aggattttag atagattgat agcacttggtg ttgtcacatt 180
 tcaaggggaat gtgatcaagg attacttcan agtcttcaag ttgttgntc atccagagac 240
 tttgagcaca acaactntta gctgcagtgt attatgcttc tgtagtggat agtgctacac 300

<210> 14189
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14189

gtgggttcac attgccatac catacttgaa cctaccttca ttccaggaac ttgtgagtca 60
 agctgaggaa gagtntggat atgatcattc catgggtggc ctcacaattc cttacagtga 120
 agatgtttcc aacatataac tgatcacttg aatgtacaat acatctcgca ctgggtgcaga 180
 cactgactta tttaatagac attttatata atacgcatct tctcaacct 229

<210> 14190
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14190

ggtgcgcggt agatgacgta tatctctgca cgtcacctga gttcagagtc agtgtgacag 60
 anattgtggg ggggccgaca naagtgaatc tcttgctcct acgtatcctc aatttgtgat 120
 gaggaactca nacttacgta gttcttgata actgtgagac taanatagtc tccgtgtttt 180

ttcactaaaa tgccaacatg cattagtaaa gaaacaaaac ttccaactga tcaaagcaac 240
 atatgctttt ttttat 256

<210> 14191
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14191

atgacactca canttttcgg attctgcaca gtttgtgaag gcaatttgtc aaaatnttgn 60
 gactgagctn ggttcaactg agtagccatc tgccccatct gattgggtcag actctgaatg 120
 tangctcttg tctcttgctg aaatngcata ttctggatgg tcattngcct cactaactct 180
 tct 183

<210> 14192
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14192

tctgcacctg tngcaagagt ctgtggtcta tgttcttcta gagatcacca tacagatctc 60
 tgtccttctt tgcagcaatc tggagtcaat gagcaatctg aagcttatgc tgcanaaatt 120
 ataatagacc ctctcaacag caaaaccaac aacatcagaa taattatgat ctttcaagca 180
 acagatacaa tccagggttg aggaatcatn caaatctgag ataggcaagt nctctacaac 240
 aacaac 246

<210> 14193
 <211> 262
 <212> DNA
 <213> Glycine max
 <400> 14193

gctgcagcac tctaaggatc ccgtaccgag ctggaatcgc ctatagttgt ctatacatct. 60
 actggcgctg ttacaacgct gactggaaaa cctgcgtacc cactaatcgc ttgcacacat 120
 ccctttccca gctggcgaat agcgaaaggc ccgcccacag ccttccacag ttgccacctg 180

atgggaatgg gcctgatgcg gatttctctt acctctggcg gatttacacc gatatggtgc 240
ctctcagaca atctgtctga tg 262

<210> 14194
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14194

acgggactct atcggacatc cgagtaaaaa gttattgtag tttgaatttg ctcanggctt 60
cagtattcca tttcagagcg ctcgatatat tacgggactc aatcggacat ccgagtaaaa 120
agttattggt gtttgaatat gtcagagct tccgcattcc atttcgagca tctcgattta 180
ttactggact caatcagaca tcccagttaa aagttattgt ggtttgaatt tgctc 235

<210> 14195
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14195

tcactcggaa gtcttattga gtcccgaata tatcgatatg ctngaaatt aaaaccgaag 60
cccctagcaa attcgaacga caataacttt tcactcagaa gtccaattga gtcccgaat 120
atatcgagac gctcgaaatt taaaaccgaa gctttagca aaatcgaacg acaataacaa 180
ttactcggaa agtccgattg agtcccgtaa tatatcgaca tgctcgaaat taaaaccgaa 240
agtccttagc aaattcgaac gacaataact ttactcggg aagtcccgat gagtcccgcc 300
atatatcgag acgctcgaaa tttaaaaccg aagctcgctg aanattaaaa gacaat 356

<210> 14196
<211> 406
<212> DNA
<213> Glycine max

<400> 14196

atggcgtgag atatactgtg aggaaatgga tgcatttggg tatgaaagga attacactcg 60
cgcaagaaat aatttgtgtt cttctttcag tggcaaagca aatccgttga ttatactccc 120

caaaatcttct aatagctctg caatcccatt atgtttctca gtttcaaaaa tgaactgata 180
 aaatatattg gtgattgctt tcctaataa gggtcgggtgc accatatatt tcccatatat 240
 acgatgaaga actgggttca agtaatcccg ctccctgcga tcttctgaat cacataggtc 300
 taatagtttg agaacaaatg aatgatcgac atatcttttt gctaattttg catcagtctc 360
 aggtgatgag acaaacctta taaggagtgc atatacaatt tgaaag 406

<210> 14197
 <211> 240
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14197

agatgtgaca tggaccattg cagctatggt aagaaatata ctaatagtta tgttatcctc 60
 gtcgtgtatg ttgatgacat gttgattgca tgatctagta tggcagaaat taacaggtn 120
 gaacagttgt tggcagaaaa cttngaaatg aaggaatctg gccagctaaa catatctttg 180
 gtataagaat tcttagaaat agatcagaag gaaatttgaa gttgtgtcac gagaaatata 240

<210> 14198
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14198

ttcacttata taataatatg atatgtaaga taataaatga ttttaatatg tatagagtta 60
 agaaattgaa attcaaaatt taaaattgtg ttgacattaa taatcaaatac aaatctgaat 120
 caagtaatta atataaataa taaaaaatca aattatgtca taatgagaga tataacaatg 180
 ataaaaattt aaatttaaaa taaaaagtt taccatacat tcataatcat aaaatcaaata 240
 ntgaattaag aattntaata taaaaatcaa taaaaatgtg ttctaataca aatttaaaat 300
 gtagtaattt attntagaac tggtaatgaa taatttaaat ttttaaattg tatttaatta 360
 tcagttaaat attgaatggt aattaattnt gagagactta tatatnntat taaatatata 420
 atgtaaaana atatggaatg attatatata tatatatata tatatatata 469

<210> 14199
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14199

gtggactcta acatngttaaa taaaattact ctggttggtg actaanaaan agatatttat 60
 tattagagaa aggattatac tttttttata attcgatata gaatgtaatt nttattttatt 120
 caatcattaa attatatcta tatactatcg agatcgtttg catcanattt tgttaaaaatt 180
 gaacgacaat aaataggtaa tcaaatgatt cacatttagt atatttttaa tttttttatt 240
 acgtcgattt taattttatat gaacaaaata tcaaatgatt ctgcattgat ataaaaattnt 300
 gcatgtgtaa tctatgtgaa agagactttc aatccaacat cgaattntaa tgaaacatta 360
 tcccgttgaa agttatagat ggggtgtaata attatcanag ttactctagt gtaatttga 419

<210> 14200
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 14200

taaagtctca cgatcgtcac gtgctcatgc aacttttgtt agtcgtggct atatgagaca 60
 tcttgccgaa caaagtcagg ttcacgataa ctgcctgtg ctctttcttc catgctatat 120
 gtagcaaagt gattgatcca gtaatgtttg atgagttgga aaatgaggac gcaattatac 180
 tgtgccagct ggagatgtat tttccccctg ctttctttga catcatgatt cactcgattg 240
 tgcactctggc cagagaaatc aaatgtttgt gtccctgttta tctactgtgg atgtacctgg 300
 ttgagcgata catgaagatc ttaaaaagggt atacaaagaa tctatatcgt ccgaaagcat 360
 ctattgttga gaggtacat 379

<210> 14201
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14201

ctacttcaca tcgattttatt tgggtccctct agaactatga gtgtaggtgg aaattactat 60

ggcttagtaa tagtggatga ttactcaagg ttactcgga ctntgtttt gagaaccaa 120
 aaaagaagct cttgatgctt ttcgcaaact tgccatggtg attcaaatg aanaaggctt 180
 caacattgct tcaattagaa gtgatcatgg aagtgaattt canaatgatt cttttgaaaa 240
 cttttgtgaa gaaaatggaa ttaccacan attttatgcc ccaagaacac ctcaatagaa 300
 tgggtgttg gaaaggaaaa atagatccct tatagaagg gcaagaacc ttctaaatga 360
 aacaaggta cctaagtact tttgggctga tggtgacata ctaattgtta cacctgatag 420
 agtaata 427

<210> 14202
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14202

gttcacgata actcgctgt gcttttactt ccatgctata tgtagcaaag tgaatgatcc 60
 agtaatgttt gatgagttgg aaaatgaggc cgcaattata ctgtgccagt tggagatgta 120
 ttttccccct gctttctttg acatcatgat tcaactgaatt gtgcatctgg tcagagaaat 180
 caaatgctgt ggtcctgttt atctacggtg gatgtaccg gttgagcgat acatgaagat 240
 cttnaaaggg tatacaaaga atctatatca tctggaagca tct 283

<210> 14203
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14203

acatgtggcc tcagatatct taagaagggg ggttgaatta agatattaca aactgtttcc 60
 ccaattaaaa attctacttt gattctaag caagttccaa gttcccttaa agatgaattt 120
 ctaaagatg attcaaatta aacaatctga atgtaactgt taagcaacaa taaataaaag 180
 agtttaaggg aagagaaagt gtaaacacag tttttatata ggttcggcaa agtccgttgc 240
 ctacgtccga tccccaaaga agccgcttgg gagttccact atctcgtaat cttttacacc 300
 ttctgaaaca cacaaggaca tcccttcctt tgtgttcaga tgctttacaa caagagactc 360

tcagtctctt agcccttnga tcagaaagag aggaagaaag aaatgatctt cttgaagaga 420
cagatgttac aatgaagtgc tcaattcctt attgaatgtc acaagt 466

<210> 14204
<211> 437
<212> DNA
<213> Glycine max

<400> 14204

tctgtaatcg attatatgct atctattctt gtgtaatcga ttatcagaac actaaatagg 60
gcttttcctc aacaaaatat ctatgtctat gctaaaaaca tctaactata gcagtcatca 120
atactgatac tcattttaatt caatcaaaca agaatcaatc acacaataac acaccaatca 180
aacacaatta aaatcttata atcaaataca atcaatcaat cattaaccat aaatatttca 240
atcaaccaat caatccttat ttatccaaat cactaatatc taagaggcct aattctcttc 300
taatggaaaa gaatgtttct ttgggtgagag ggtttgtgaa gatatacaaca agttgattct 360
ttgtatcaac aaattctagc acataatctc ccttcagaac atgatctctt agaaaatggg 420
gtctaatttc tatatgc 437

<210> 14205
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14205

cacaacagtg agtgcagcta taaatgcagc tccaaagagt agtagtggaa ggtatgtgat 60
atatgtgaag ggtggcgtgt acgatgaaca agttgagggtg aaagcaaaga atataatgtt 120
ggttggagat ggtattggaa agactataat cacaggtagc ataagtgttg gaggaggcac 180
cacaaccttc cggttcagcca ctgggttgga agctttttatt atttttttatt attgttaatt 240
aattctaatc atttcttaag tcttatgttt gactgtgtta cataanaata atttaaagaa 300
aattaccaac aattatttaa attgtctata agaatcagaa ttcataataa aattgtaaaa 360
aatgattat ggtatta 377

<210> 14206

<211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14206

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attgtcgttc atgcacctc atccattgag tacggtgccc catgaattga ttgcctagcg 60
ctgttcatgc atcctccatc atcaaattctt attcggagcc ccatgaattg attgtcgttc 120
atgcacctc caccattcag ttcagagcct tacgaattga ctgccaagct ctgttcatga 180
atcctctatc atcaaattctt attcgaagcc ccatgaattg attgccattc atgcaacctc 240
caccattgag tcggagccn cacgaattga ttgcctagtg atgttcgtgc atcctgcacc 300
atcttattcg gagcccatg aattgattgt cgttcatgca tcctccacca ttgagtccgg 360
agccttacga attgactgcc aagctctttt catgcctnct ctatca 406
```

<210> 14207
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14207

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atcctgatga ggatgttcca tatgtttctca tgactggact aatacattnng ctgtccaagt 60
ttcatggtct tgcaggtgaa gatcctcata agcatcttaa ggagttccat attgtctgtc 120
ccaccatgaa accccctgat gtccaggaag atcatatctt tctaaaagct tttcctcatt 180
ctctggaggg agtggcgaaa gaatggttgt actaccttgc tcccagggtcc attaccagct 240
gggatgacct taagaggggtg ttcttggaga aattcttccc tgcacttagg accactgcca 300
ttagaaaaga catttttaggc attaggcaac ttagtggaga aagcttgtat gagtactggg 360
aaagattcaa gaaaatgtgt tgcagttgtc cttaccacca gattnttttag caactccttc 420
tgcaatattt ctatgagggg cttagcaaca ttggagaaga gtatga 466
```

<210> 14208
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14208

agaagatgct atctgagctt acatgtcaat tottacgtaa cattaattaa gggtttaata 60
cacgaataaaa aaaagagaaa tactatgtac aatcaataat ttctttttga aagagtgtg 120
gtgtaattta ttattttatt aaatctccta tctttttcag taaatagaca catattacat 180
tntatccata attttttttag aacttactta atatgtatta ctttaacata tcacaagaga 240
taaaatctta cataaatata tgtatataaa ttatagagat aaatgggttat aaaaagttat 300
aataatataa cttacagaac atactttatt ataatgaata taatatgggtg ctattttaagt 360
cttctttaag aattatatga cgaaatttat aaca 394

<210> 14209

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14209

tatgggtccct ttcaggactt agaatgcttt ggcaaagtgg cctatcacct gcaattacct 60
gaagaagctt gagtcactc tattttccac tgctccttgc ttaaaccatt cagaggttcc 120
ctggaatagt cggaaatggc tccattacca caacaattca tcaattatca acccttagtt 180
tctcctctgg ctatcctcaa ttatcgctgg gtacctggta cacctaattgc tccatgggag 240
gtgttagtcc aatggcaggg tctgtctcca gatgagacct cttgngaaga tnggtcccaa 300
ctatgccana aatatcacct tgaggacaag gtgatcttan tagggctggg gaatgatatg 360
ataccagaag cagataacat agcattcgaa ataga 395

<210> 14210

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14210

atgccgtacc aagaccttgg agcctacttt aagccataca aggactntnt caaccgatat 60
acattctctt cctgtccacg aactacaaat ccttcaggct gctctacaaa aatttcttct 120
tccaagtgtc cattcaagaa ggttgattta acatccatgt gatgtataat ccaaccttta 180
tgtgcagcaa gagctaacaa cagccttatg gtatccaacc tggcaactgg aaaaaaagtt 240

tttgagaagt ctaccccgaa catatgcaca tatcccttca caacaagcct tgccttatgt 300
 ttgtttatag aaccatcaac attaatgctnt gttctataaa cccatttcac tccaatgaca 360
 ttnttatctn taggtttctc cgtgagctcc catgtttgat gttntcaat catatcaagc 420
 tcctccttca ttgcactta 439

<210> 14211
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14211

gctatgctgt anacatntat aatagaactc ttcagtctca aaaccaacaa caacagaata 60
 attatgatcc ttcaagcaat agatacaatc catgttagag gaatcatcca aaactgagat 120
 ggacaagtcc tacacaacaa caatagtcta tccctccttt ctagaatgtt gctgggtccaa 180
 gcaagacata tgttcctcct ccaatgcagc aacagtagca acagtcacaa caaagacaac 240
 catcaattga ggctcctcct caaccttcct tagaagagtt agtgaggcaa atgaccatcc 300
 aaaatatgca atntcaacaa gagacaagag cttccattta gagtctgac 349

<210> 14212
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14212

tcataactca gctggccata tatcagaaat tctgctgac accatacaga tctctgtcct 60
 tctttgcagc tatctggagt caatgagcaa cttgaagccc atgctgcata catttataat 120
 agactccctc agcaacaaaa ccaacaacaa cagaataatt atgatctttc aaacaataga 180
 tacaatccag gttggaggaa tcatccaaat ctgagatggg aaaatcctcc acaacaacaa 240
 cagcagcaac aacaacagtc tgtcccttcc ttccagaatg ggtgtgggtcc caagcaggcc 300
 atatgtcctn nctcaatgca gcagcaatag caacaacaaa gacaaca 347

<210> 14213
 <211> 321

<212> DNA
 <213> Glycine max
 <400> 14213

gaaccttcac cgcaggaaga cactgacaac aacttatctt ctccttcttg gacaaagcat 60
 ggctggcgtg agggcaatgt atatcatatt gccatcacac cgtggatgca actgtgatca 120
 tatacccaca tcaactagat cttgacgagt attcacgcca tccttcgttt tgccttgaat 180
 gttaaggatc gtcccaatca cactatcaca aacatttttc tccacatgca taacatcaat 240
 acaatgtcta acgtcaagat cacaccagtt cggatgatca gagaaaatgg acctcttctt 300
 ctatatgcaa catctgactt t 321

<210> 14214
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14214

gcttccatca cttttgctcc tacgtatcct cattntgtga tgaggaactc agacctacgt 60
 agttcttgat aactgtgaga ctaaaaatag tctcgggtgtt ttcttcacca aaatgtgaac 120
 atgcttttagt aaagagacaa aacttccaac tgatcagagc aacatatgct ttttggatga 180
 aaaacaatgt gtctattggg gaaggagagt atgctaataa aattntctca taaccgtaaa 240
 tgagattttg gatgttagca ttctgtttct aaatgatcca tttgaggaag cactgngttc 300
 aacaaaaata gaagataatc actcaaagtg tatcaatctc acacatgtat atgtttttatc 360
 ctaattccga accatagata tgtcatgact tgattntgca natcatttnc tatcaaata 420
 aagaatacat gcatgatcat ggatc 445

<210> 14215
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14215

gcagctgcag ttttaatat tacttaatta ctctcaatnn tagntnctct acttataatt 60
 attcgcattn tatcttcaca taatttttaa attatntaaa ctaaatcact ntaagttnta 120

ttcaaaaact aatagaaatg tagtgaaggt atggcattat taacttatag taatatatat 180
 aaatgaacaa aaaatgtata atatgtaatg aatTTTTtatt aatTTTTtatt aaatatttgt 240
 gcggacctat acaaatttat aatatcac acctctgtta tattattatt cttntattt 300
 ggatttgaat ntaaacaaca aactatntgt gttctttatc ataaacatct attntttata 360
 agtaacatgc tcaaattggaa a 381

<210> 14216
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14216

gaaagtccga ttcagctgca taatatatca agacactcga nattgaatgc cggaagatga 60
 tgagaaaattt anattggtca taacttatca cacagatgtc tgattctgcc cataatatat 120
 cgagatgctc gaaattaacc atggagctct cgagaaatca aatggtcata cctttcaatt 180
 ggatgcccga tccatgcgca tctttatcga gactctcgaa attgacaacg aagc 234

<210> 14217
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14217

cggatgcctg antgagtccc gagatataac gagacactcg aaattgaatg ttgaacctct 60
 gagcanattc aaacgacaat aactctcttc tcagatgttt gagtgagact cgtaatatat 120
 cgagacgctc gaaattgaat gtttaagctt tgagctaatt canacgacaa taacttttta 180
 ctcggatgtc tgattgaggc ccgaaaatat cgagacgctc gaaattgaat gttgaagctc 240
 tgagccaatt caaacgacaa tatcttttta ctcggatgtc t 281

<210> 14218
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 14218

ttaagtcacc tgctgctgca gctatatgca tagaaatatt atcatatatt gttcacaana 60
aagacattaa aataatgctc ttaagacaat tatcaatgag aatatattct caatatatca 120
ctcatattat aattagatat tgtatttaag tcttatcata aatataccac ttaaatttat 180
caatgttgat tgattaattt aatttatagt accatcagat taatcaataa atatatcaaa 240
tttaagaacg attccatgag aagaagctcg tgtccaatgg atctagctca gttgataata 300
cacactatgt gctgagtt 318

<210> 14219

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14219

agcttggtgn ggccaaaaat gaccagcctc tcctattagc ctactgctg agaccctctt 60
tgctacatct cagattctca aaaacctcct caatgggaat gttctcctgc attaaaaaaa 120
aaaaaaaaacc atcattgaaa ccacaaaagg cacagcaagg aagaggctta tagagtggtt 180
cagatctgtt accaaaatct acagtttctt tcaacacagc ctccaatact tgagacttgt 240
cacccatgct ggaccacttc ctctacctct ctctcccaac tgtgtttact aaaacaaata 300
taataaaaac agctatgata ttaacacaat gcgtgcacac cacatac 347

<210> 14220

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14220

agcttggtcan aaaggaagca agttaaatac tcctttcaaa gataaaacgt tgtttccact 60
tcaaaactcc ttgaactact tcacatattt atttgggtccc tcaagaacta tgagttagg 120
tggaattac tatggcttat taatagtaga tgattactca aggttcactt ggactttgtt 180
tttgaacc aaaaatgaag cttttgatgc ttttcacana cttgtcaagg tgattcaaaa 240
taaaaaaagg ttttaacatt gtttcaatta gaagtgatca tggagatgaa tttcaaaata 300

agtctttgaa aaacttttgt gaagaaaatg gaattcatca catnttttct gccccaagaa 360
caccttagta gaatg 375

<210> 14221
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14221

agcttagtan agctaggcac taacaggaag tgttggtgat ataccaatta anactaaacc 60
caaccaaata cacctttggt gtgaagtccg agaagctggt atgatttatc gtaagtcaga 120
aagggataga gatagatccc gagatagtga acgccatcct tganatgccg gaaccacgca 180
cggagaagca tagtcggggg tttctgggca cgctgaatta tatcgcgaga tttatctcgc 240
aactcacctc tacctgtgag ccgcatttta agctattacg taagaaccag gcggtcctgt 300
ggaacagtta ctgcatagag gccttctaga agatcaaaca gagtctcac 349

<210> 14222
<211> 174
<212> DNA
<213> Glycine max

<400> 14222

gcttatgaca attagaaatt ctcgttatct tccgatgaat taatttgatc ggctcgatat 60
attataagtc tgaatcggac ctacgtgtga aaagttatga ccatttgaat tttttgagag 120
attcctgtgt ttgagatttc gagcgtctag atatattatg cgctgaatt tgac 174

<210> 14223
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14223

agcttgtatc ttcatgccag atactttcct ttatctttct tttnaatagt ggattgtgca 60
gaacaaggca aaaaaaagaa aagtagcgct aaactttcgc ttttaataaa tatttttaaat 120
ttaataaaat tttcaaatac aaagtgcacaa attatcatatc atttaatcct gcaatattct 180

atgtctcttt aataaatggt tttatatata attctgctca tatagaaata aagaaaccgt 240
tctttaattt attcattcca tttcaaaatt atactctcaa tctaaactgt ggagagataa 300
tattaatatt ctatttttat attattttct tgacaatctc aattactaat taaatttat 359

<210> 14224
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14224

gctagacttg ttgctaataa atttactcag aaagatgaca ttgattataa agagacattt 60
tactgggtctc acganaggat tctttcatga ttatcatgac attagtagcc cattatgact 120
tggagctaca tcaaatagat gtgaaaacca cctttctgaa tggagattta gaggagaatg 180
gttgtatgga ccaaccaatg ggggttctca gttgaaggaa atgaacacat ggtgtgcata 240
ctaaagaaat caataacag tcttaagca agcttccccg caatgggtatt tgagggttaa 300
tgatac 306

<210> 14225
<211> 316
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14225

agcttgaatg ctctattcaa tggagttgac atgtatatct tcagactgat caacacttgc 60
acagtggcca aagatgcatg ggagatcctg ataaccactc atgaaggaac ctccaaagtg 120
aagatgtcca gattgcaact gttggctaca aaattcgaat atctgaagat gaaggaggaa 180
gaatgtattc atgacttcca catgaacatt cttgaaattg ccaatgcttg cactgccttg 240
ngagagaaga tgacagatga aaagctggtg agaaagatcc tcagatcctt gcctaagaga 300
tttgacatga aagtca 316

<210> 14226
<211> 330
<212> DNA
<213> Glycine max

<400> 14226

tagtgctaca atatcaagat gaagaagttg cttgataaat aataaataaa gaattacact 60
atgcaactac tattttctcta acaccagtga tcttttataa ctttttagtta aattgaagtc 120
tggaggtaaa gtcaatatta cctacgaaca aataactaaa aatatgtatc tttgctaaat 180
ataarcatgt ttgatttqaa acaattaatt tcgagtgttt tatcaaatca aacacgcact 240
aaataattaa attaacatta aagaaaayga ttattttatat gcttcataaaa taaacacgca 300
ctaaataact aaatacaata ttattttatat 330

<210> 14227

<211> 362

<212> DNA

<213> Glycine max

<400> 14227

agctttctttc aacgaacgcg actggtaatg tttatattat cctataagca acgtatgtat 60
ttggaaaaga acctaacctt tttatatagc tcaactatct taatgggtgtg ttaatttcac 120
ttgttagaac ttctttcaat aactctaatt ctgaaaacaa atcatgacaa tcaatattat 180
aacggctctc ataactcaaa atcttgtcaa gattgatgca atatattggt caattcattt 240
tcactcagag ttctaaatct atttgaatca aataaaaagt caaacatcgt ttcattttct 300
ataaattggt caaatcgact ctcaatagaa gaaatatact attctaatac ataccataaa 360
ta 362

<210> 14228

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14228

gtcacctgcn gcatgcaagc ttatgctgca anatatacaa tagacctcct cttcctcagt 60
agcaaaatca accacagcag aacaattatg acctcttcag caacagatac aaccctggat 120
agaggaatca ccctaacctc aaatgggtcca gccctcagca acaacaacag cagcctgctc 180
cttccttaca aaatgctgct ggcccaagca gaccatacat ttcttcacca atccaacaac 240
agcaacaacc tcagaaacag ccaacagttg aggccctcc acaaccttcc ctcgaagaac 300

ttgtgaggca gatgactatg cagatcatg

329

<210> 14229
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14229

atctctaagc acctgcngct gcagctatgc tganatatta caatagaccc nctcaatctc 60
agtagcaaaa tcaaccacag cagaacaatt atgacctctc cagcaacaga tacaaccctg 120
gatagaggaa tcaccctaac ctcagatggt ccagccctca gcaacaacaa cagcagcctg 180
ctccttcctt ccaaaatgct gctggcccaa gcagaaccat atcattcctc accaatccaa 240
caacagcaac aaccccagaa acagccaaca gttgaggccc ctccacaacc ttccctcgaa 300
gaacttgtga ggcanatgac tatgcagaac atgc 334

<210> 14230
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14230

agcttcacag canatgatag aatgtctata tttttatcat ttgacaattt attggtatta 60
tatgacttat ctttcatata tatagactct cttttttcat ctttatcaac tgtcgaattt 120
tacataattc ataaatttta ttgatacct tgcatagcac tgcatttagc aaatacagat 180
taacatgctt ggtttataag tattgacaca aaacaggctt attgaaatac cttgtattgc 240
atgttgctag ggcttattaa aaatatcaaa ttattttaca tgtgtctgtg atatcacact 300
tattaatgat gcgataaatt atgtaactat catgtctctc gttga 345

<210> 14231
<211> 148
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14231

tgctacttat atgacgntga ttcctatat aaacaagaat tatgactatg gtctaaatat 60
 atggctattg actttctacc tgattgctgc gatgagctac cgggctgaac atgtcttgaa 120
 tattgctcat gatcgcgat acaccatt 148

<210> 14232
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14232

tgtcgggtgg accgatgtcc atatatgtta tggatatttcc tcttctggn ttgnttagta 60
 atagtataca ttatgtgcct gatttctttt ctttcatttg atgataaagg aacaattaat 120
 gtgttatcat ggcagggtcc attttgctcg tctctctaaa aagtgttcac aggaaatgct 180
 taattataat attgggtcaat ggggtattaat aatatctaataa aaatactgat aaaaaaagta 240
 tctaataaat ttttaaatat attaaaagat aaacaacaaa ttttatattt taataaatac 300
 attctattaa tgtattcggt ttgttaacta acactctaaa gaaaatgggc ataatactct 360
 cttgaaaaaa tatattatgt ttattgcatt aatatatata aactcatgta tttttttcat 420
 agtagtataa agggaaacaa ataagagtaa atcatacttt cttctcctaa taaatacaag 480
 tattcaatgt aacatcatg 499

<210> 14233
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14233

atcaattgag gaagcctcga caagttcccc attgaaaaat gaaattctga taccaatgcc 60
 agatgtcgta caggatgtca cgacatcacg cttcagaaca tgcagattat ctctgagtga 120
 atgaacagat taaacaagta aataacacaa gagaattggt aaccagttc ggtgcaacct 180
 cacctacatc tgggggctac caagccaggg aggaaatcca ctaaaatagt gtgagttcag 240
 ggtctaacag ccaactgttta caaccttctc acctaaccac taccctgctg acctctacct 300
 aagagccact cttagatatg agaaccctc tcactccctc tcagacactc tcccgtgnt 360

acaattaaat caaggacact ccagagatgg ctctctgaac aaaagagatc aactctacac 420
act 423

<210> 14234
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14234

ctgatgggtgt cgagaagaaa tcacatgtnt gtcatcaaca tataggggga gaatgtgaat 60
gtatgtatac atgattttga tgatgtcaaa aaaagaatca aataaggctc attttgcttc 120
aagattaata caagattggt tcaacaaaca aagccttgat tcaagatttc ttcaagatca 180
agccttgcct caaaatgtag agatttcaag tcatccaagg cacatgtaat cgattaccaa 240
tacetgcaat cgattaccaa ggcacatgaa agtgtgtaat cgattacaca tcatatgtaa 300
tcgattacca gagactctga atgttgggaa ttcaaatttt aatgaagag tcacaactgt 360
tcaagaaaaa caactgtgta atcgattaca ctaattntgt aatcgattac tagagaggga 420
tttcaaggaa tatcgccaac agtcacatct tatcatttgg attttgaatg gccatcanag 480
gcctatatat atgtgtgac 499

<210> 14235
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14235

agcttgtann ggttaaagtc tcatgatttg tttcgttctc gtgcaacaat tggtagccgc 60
gactatacga gacatcttgc caaacaagt caggtagcc ataactcgct tgtgcttttt 120
cttccttgc atagttagca aagtcattaa tccagtcaag ttgatgagt tggaaaatga 180
ggccgcaaat atactgtgcc agttggagat gtattttccc cctactttct ttgacatcat 240
gattcacttg attgtgtatc tggtcagaga aatcaaagt tgtggctctg tttatctacg 300
ggggatgtac ctggttgagt gatacatgaa gatcttaata ggtatacaaa gaatctatat 360
t 361

<210> 14236
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14236

ccaagctnnt ggytccacat gatgaacatc tctactacac accatangnt tattcatngg 60
 attatacagt gtgtatgaac caatgggggtt gtagccaata aagatcatta cttcactctt 120
 gttgtctagc ttcttctctt tctgatcagg aatatgttta tagcataaag agccaaatac 180
 cttaaagtgt ttgatagaag gtttcaatcc ataccaggct tcttcagggtg ccatcgaatc 240
 tagcttctta gtaggacacc tatttagcaa atagacagca atagtagcag cttcacccca 300
 aaaactgtgt ggtagattct ttgttttcaa catacttctc accatattaa gtatagttct 360
 gtttcttctc tcaacaaccn cattatgttg ggggtgtataa ggtgcagtga cgtcatgcat 420
 gataccttga tcgttacagt acatgtcaca ctcacttgag ttgaattctc cacctgcac 480
 tcgtttgagg atcttc 496

<210> 14237
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14237

cttggggcaa ttcaaacgaa caataacttt tactcggatg tctgattgag tcccgtata 60
 tatcgacagc ctcgaaattg aatgtcgaag ctctgaggaa attcaaacga caataaatat 120
 ttactcggat gtctgataga gtcccgtaac atatcgaggc gctcgaaatt gaatgttgaa 180
 gctctgagcc aattcaaacg acaataactt ttacacgga tgtctgattg agtcccgta 240
 tatatcgaga cgctcgaaat tgaatgttg agctctgagc caattcaaac gacaataact 300
 ttttactcgg atgtctgagt gagtcccgta atatatcgag acgctcgaaa ttgaatgttg 360
 aagctctgag ccaattcaaa cgacaataac ttttactcg gatgtctgat tgagtctngt 420
 natatatcga gac 433

<210> 14238

<211> 252
 <212> DNA
 <213> Glycine max

<400> 14238

agcttcaaca ttcaacttcg agcgtcacgt tatattatat gactcaatta gacatccgag 60
 taaaaagtta ttgtcggttg aatttgc tca aagcttcaac attcaattta gagcgtctcg 120
 atatatgacg ggactcaatc agacatccga gtaaaaagat attgtccgct taaatggctc 180
 agagcttcta cattcaattt cgagcgtctc gatatatgac gggactcaat caggcattcg 240
 agtaaaaagt ta 252

<210> 14239
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14239

agcttggttga gaaattgtac aaacaagagt gtatttgata aggcatgcta ttactagaat 60
 tgccacttct tatctaacct tagaaaggct ccacaaagag aaaactaata ttggaaagat 120
 gtttattttt tatgaatgga tcttaaacia gttatctaag gagcttaagg ggaaagaagc 180
 tgtaaaggta gtgctcatgc cttctttntg gaatagtgtg gtttacactc ttaaagtcac 240
 ggggtccactt gtcaaagtgc ttcgtcttgt ggatgatgaa aggaaaccat ccatgggtta 300
 tatctatgaa gcaatggaca aagcaaaaga aataattaac aagtctttca acaaccacga 360
 aagcaagtac aaagatgtgt ttgcaatcat tgattaaaga tg 402

<210> 14240
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14240

taagctctnt caactgcaca aggctcttaa tatttgaagt ttatccttgt ggaaccttca 60
 cccgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcaggcc ttggatgcaa ctgtgatcgt atacccat 180

aagctagatc ttgatgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240
 tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata caatgtttta 300
 catcaagatc acaccagtac ggaatatcaa agaaaatgga cctcttcttc catatgcaac 360
 tctgactntt atccttcttt tgggtctttc caaatacagt attcaggtgt tgaacccgct 420
 gataaacctg ctcaccagtc aatggatcgc gcacaatata atgctcttga cttccattaa 480
 aagc 484

<210> 14241
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 14241

catccttagt gagcaagtcg ctcaatggtc tggctatctt ggagaagacc ttgatgaatc 60
 ttctatagaa acctgcgtgt ccaagaaaac ttctgatacc cttggcattt actgggtggg 120
 gtaacttctt aataacatca attattgctt tatgaatctt gatgccttga gctataattt 180
 tgacgccccaa gactatcgct tcttcaacca tgaagtgaca cttctcccaa ttcagcatca 240
 tactggctctt aacatatcta tatagtacca gctctagatt cgtcaagcag taatcaaagg 300
 aaggccccaa cactgagaag tcatgcatga agacttctat gcatttctct accatgtcag 360
 cgaagatggc tagcatgcac ctctggaaaag tggcaggtgt gttcataa 408

<210> 14242
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14242

tctgggtggga catctngact tgctntccaa tctgacattt tccacttatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctntgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ttatgatgcc atattctgac ttcattctct ctggagaata 180
 gacatgtgga ggagtaactg gtctcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactttgtga 300
 agttacattg tatccttcat cacacagctg actgatgctg atcaagtttg cagtcagttc 360

cttcaccagc agtactttgt tcagactagg aagtccatca tggactatct atccccattca 420
 ttgattt 427

<210> 14243
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14243

tacatgtgct atagtctcga gattatnttc tgtcatgatt atgtcgncaa cataaacaag 60
 aatagctggt atatcattat cattatcaga atataataaa agcgagtgat caactgagga 120
 ttgacgaaat ccctgtgaga gaagaaatga cgaaagccgt gtgaaccatg ggcgactggc 180
 ttgtttgagc ccatataagg aacgctgaat gcgacaaaca aagttgggat tatccacaac 240
 aagtcctgga gggagcttca tataaacctc ttcattaaga tccccatgaa ggaaagcatg 300
 gtttacatcc agttgtcgaa tgtgccagtt atgaagagca tcaagggcaa tgagtaaccg 360
 gactagtggg agcttggcca caggggagaa tgta 394

<210> 14244
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14244

agcttagatg gagaagaaga cagcgagatt gttattacag cgtgaaggag acgaaacata 60
 cctaggtatg gtggcgaagg agaagaacca cagagttgtc acgatgctcg agtgcgacga 120
 aaacgatgct cgagcttaga caaaacgatt ctcagatgaa gaacagacaa cttcaaggta 180
 aatggacaac aaagagagca agaaagctta gatggcgaag aagacagcga gaaggagaag 240
 acagcgtgaa ggagacgaaa catacctagg tatgggtggcg aaggagaaga agtagagact 300
 tatgacgatg ctcgagtgcg acgaacacga tgctcagatg cagaacatag accttcaagg 360
 tagacggaga ttataagaag aagaagagag cgcgaaagct tatatggaga agaagacagc 420
 gcgagcttca tagggctcan cgatatttta aaatat 456

<210> 14245
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 14245

agcttagcta actctatagg agacattcta tttgagctat ggatatgggg ccagtaccac 60
 gtactaagtc tatggaaaac tctatctctc tctcaccctgg cagatcgaat atatcctcag 120
 gaaacacttc aagaaactct ctaacaacag ggaggtcaca catagaaacc tttgtctcta 180
 cttctaggct agacaagatc atgtacactt gagcatcttc ctttaaagat gtcacaactt 240
 ggttggcaga gataaacatc atatccttac tcaactctaga atcatcaaac accacactct 300
 tatcaaaaca gttcaacaag acatgggtgg aagataacca gtccatacca agaataacat 360
 caatctgact c 371

<210> 14246
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14246

agaaacatat aaaccaatat acgtatctgc aaaattatcc tcaagatgtg atcgctcatt 60
 atcaattggt cgaccgtaat taaaattaac atgaatagac ttatccatta ctaaagttct 120
 tgggttaaac aatctataag ctttagatgt gtcagaatac cctaagaaga tccctttatc 180
 caccattgaa tcaaactttg tgagtacatc tatagtgcta acgatgaaac acttacatcc 240
 aaatggatga aagtatgaaa taatgtgtct tcttgctttg catagtccat aaggagtcac 300
 ttttatcatc ggtcttatca atattcagtg ttgaacaaag caagttgtga aaagaatgtg 360
 cctagccttt tcttgcnagt tctatcttac ttttaactacc ctatttcttg aggggtctcg 420
 ctaagacaag tatgaaaat 439

<210> 14247
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14247

ggaccttgaa actcagctgc cantaaaagg catngttata tcatattgct gattatecca 60
 atgaaaggaa gtggataaag ttagaatagt tctgattggt ataggtttca caactgggga 120
 aaatgtttct ttgaaatcaa aaccaggctg ttgatggaag ccttttggtg caagacgtgc 180
 cttgtactta ctgacggacc catctgaatt atgcttgact ctaaaaaccc acttgcaacc 240
 aattggtttc ctattaggag gtttaggaac caattcccat gtattgtttt gagtaglgca 300
 accatTTTTT catccatagc atctttccac ttaggatctt taagtgttgt ttgacagct 360
 ttatgaacaa catgagttag aagcaagggt ggttggagtc taggcttgac aattccattt 420
 tttgatctca gtgtcatatg atgaatg 447

<210> 14248
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14248

agcaatatct ctaagggcta ccgtgtcaac aactagcaaa ctaagaaact cgtcattagt 60
 cgagatgttg gagntgatga gtacgcttct tggaattggg ataaagaana agtggagaaa 120
 aacgtttctta tacctgctca actacctcaa gaagaaactg aggaagaaga cccaggtgaa 180
 ccaccttcac cttcacctcc accacaacaa caagatcaag aactatcatc accagagtct 240
 actccaagac gagtaagatc tttggtggac atatattaaa cttgtaattn ggccatactt 300
 gaaccttaata gcattgaaga agcgtcaaag cacgaagtat ggggtcaaggc aatggaagaa 360
 gagatacaaa tgatcgagaa aaacaacata tgggagttag tatatcgtcc ccttggaaaa 420
 gatatcattg gcgttaagtg ggtctat 447

<210> 14249
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14249

gaaaagatgg cctcatcaaa ttccttattt ccagtangta attctatcaa tagacctcca 60
 atctttaatg gagagggtta ccactactgg aaaacccgaa tgcaaatttt tatcgaggca 120

atagatctaa atatctggga agccattgaa atagggcctt atataccac cacagtagaa 180
 agagtttcaa tagatggtag ttcaccaagt gaaagcataa ccatagaaaa acctagagat 240
 agatggtctg aagaggatag aaaacgagta caatacaacc taaaagccaa aacataata 300
 acatctgccc taggaatgga tgaatatctc agagtttcaa attgcaagag tgctaaggaa 360
 atgtyggaca ctcttcgata acacatgaag gaactacaga tgtttaaaga tctangyata 420
 atgcactaac tcatgag 437

<210> 14250
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14250

gcttgatatg tctaaagcct atgtctttgt tttatangtg tttctggaga gaattcttag 60
 ctctatggga ttntcaagtc attgggttga ttttattatg aactatgcgc agactgtttc 120
 ttttgcagct atggtgaatg gttctcccca tagagttttc acaccaaag ggctctcagg 180
 caaggggata ccttatcact atatttattc attttatatg ttgaagcctt atcagctatg 240
 gtgactagat cggatggagca aggagcatta catgggatta gtgtcccctt cagcccttat 300
 gataactcat ttattttttg tagatggcat tatcattntt tgcacagcaa cactgaaga 360
 agcaagccat ttatctacaa ttnccaagct ctatg 395

<210> 14251
 <211> 483
 <212> DNA
 <213> Glycine max
 <400> 14251

tagggatatca tcggatccgg gttgtttctg aagacacctt cagtctaact tttggacttg 60
 taatgggcac tatggatttt tggatgagcc ttttgggctc actaatgcat cttctacctt 120
 tcagtctgcc atgaatatc tccaccatt tctaaggaaa tatgtcctag tttttttttt 180
 atgatatcct tatttccagt aaaataatga ctgacogttt aactcactta cacctggttt 240
 ttcagttagt tgttgctaac cagttttatg ccaaattcaa taattgtgct cttgcgttga 300

ttcgggttcaa tatttgggca atgttattac tgctaaaggt gtatcctcag atttggataa 360
aattacagcc atcttacttt ggccggagcc atgttcttta caacataagg ggcttttcta 420
aacattttaat aagaaattct gagtctctgg ccgctcctct catcgatttc ttatgttcca 480
cta 483

<210> 14252
<211> 401
<212> DNA
<213> Glycine max

<400> 14252

taacttgggt acccatctgg ccatgaatta aaaatgtgca cctgtcgcca gactctgtgc 60
tttatgtctcc tctgccaaacc accacacaga cctttgcctt tctatgcagc aacttggagc 120
aattgaatag cctgaagctt atgctgcaaa catctacaat agacctccgc aacctcagca 180
acaaaatcaa ccacaacaga acaattatga cctctccagc aacaggtaca atcccgggtg 240
gaggaatcat cccaacctta gatggctcag tccttcacaa cagcaaccac aacaacaaca 300
gccttatttt cagaatgttt ctggcctaag tagaccatat gttcctccac caatccaaca 360
gcaacaacaa cagcagcagc aacaacaaca acccaaaaac a 401

<210> 14253
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14253

ttggtgacaa ctttattttc atccaaatgt nttttttgca tcagaagggt ttaaacggga 60
aaaaaattaa ttttcatgag aaataacttt tgaaaaaata tatgatgtac aactaacctc 120
gttgaatatt gtccaaaaat tttcccaa atttttataaa gtgatatgat aatattttaga 180
aattttgatg ttaaaatagc gttgtaggac acaaagata caataactat gaaaaataga 240
ttcttgtaat ttgtttggct tgagaaaaat atgacatatt attaagggtta aggaaattcc 300
ctattaaagt ttataaaatt cagaggtgtg taagtacttt ttctaaatta aaaatagcgt 360
ttaagaataa tttcagtgtt aacagttaaa ttggaagaaa agtttctata atgagtt 417

<210> 14254
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14254

gcttgcatac cccaaggatc cattaggaag tcaacttgtga attagagcca tgtgggtggg 60
 cttatggggc acttttggat agacaagacc cttgtcttac tcaaagaaaa gttttatttg 120
 ccccatatga agaaagatgt ccataagcat tgcactatgt gtgtggcttg tttacaagcc 180
 aagtctaagg tgatgcctca tgnctatac acacccttac ccacccatc tgcaccttgg 240
 gtagacatta gtatggactt tgtccttggg ctccctagaa cccaaagagg tgtagactct 300
 gtctttgttg tggtagatag gtttagcaag atggcacact ttataccatg ccacaaggtg 360
 gatgatgctt cctacatctc aaaactc 387

<210> 14255
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14255

agctnngtta cctcattctt cactacttat ataatacccg ggttgagtct tctctgtggc 60
 tgtcttattg gtttagcccc atcctctaaa tttattcgat gcatacatgt ggacgggcta 120
 ataccaggat tgcccgccaa ggtccagcct atagccttct tatgcttctt gagaactgat 180
 aacagcttct tctcttgctc atcagcaagg gaggcataata taattatttg aaaacttttg 240
 ttatcatcca agtaagcata ttttaaattt gatggcagag gcttcagttt tgggtgtgggc 300
 ggctggataa tggtagaaag agatggtttc ttagcctgta cctcataaag aaagtaagag 360
 gtatgtgtac ttctgaaac atgtgtagtt ctatctgact ctagaaaatc aatctcaaga 420
 gggaaaacat caccagacat gtaatc 446

<210> 14256
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14256

ntagcttctt aaggaagttn tctcaaagaa gcttctcatg gaagttttct taagaaagct 60
tctcaaggaa gttacctagt ctataaataa aagcatgtgt aacacttggt ataactttga 120
tgaatgagag tcttgtaaga cacaactcaa agttcaactt ctctcccttt ttcttccttc 180
aatttcgtgc tcccttctct cntttcttta gcaaagtctc accccccctt ctaaaattta 240
attggattgg gcttctccca attcaattaa atttattttc aaccacacac atcaaataatt 300
cacttaatgc atgccaaatt agaaaactac ccctaataca aaaaactagt ctaggtgccc 360
taaaatacaa gagatgaaaa atcttacatt tctagggtag cttaactata ttgtggagcc 420
ctaaatacaa ggcccaaaaa taatgaaacc ttaatctaat atgtacaaag ataagcgggc 480
tcataacttag cctatggg 498

<210> 14257

<211> 253

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14257

ctataataca cgcccgaagt aaatcctcta gagcctgaat ggttcgttca gtctgaccat 60
ctatttgagg atgataagct gaactaagct ttagctttgt cccaaggct tcatgtagac 120
ttgtccaaaa tcgcgaagtg aacctcggat ccctgtccga tacaatactt gaaggaantn 180
ncatgcacct tacttactct ttgatataca actgtactaa cttatccatt ctatacttca 240
tattcacagg aat 253

<210> 14258

<211> 207

<212> DNA

<213> Glycine max

<400> 14258

tcggacatcc gagttaaaag ttattgtcgt gtaacttttc ctagagcttc cgttttcaat 60
ttcgagcgtc tagatatatg ataaggctca atcgaacatt cgagttaaaa gttattggtc 120
gttgactttt ctgagagctt ccgctttcaa ttctgagcgt ctgatgtat tatagggtc 180
aatcggacat tcgagctaaa agatatt 207

<210> 14259
 <211> 161
 <212> DNA
 <213> Glycine max

<400> 14259

atcgagacac tcgtaattga aacggaagct clgatgaaaa tctaaagaca ataactttta 60
 actcgggtgt ctgatcgagc ccttgaatat atcaagacac tcgtaattga aaacagaagt 120
 tctgagcata ttcaaagcgc aataactttt gatactgatg t 161

<210> 14260
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14260

cacaccatgt ttgatgattc accctgagca acaaaacttg gcggttgctc catataaacc 60
 tctntctcaa tatcgccatg taggaaagct attcttttgt caagctagaa gagacgcca 120
 tgacagatga cagccattga caaaagaaga cgaacacaag ccatntcggc tactggagag 180
 aaagtatcta tgtagtecta tccatagacc tgagtgtaac cttttgccac caaacgttcc 240
 ttgaaacaat caatgggtcc atcagggcca attttaagag tataacaatca cgcacaccta 300
 acaacggatt ttcca 315

<210> 14261
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 14261

gcgtctcgat atattacggg actcaatcgg acatcagaga taaaagttat tggttgttga 60
 attatctcag agcttctgca ttccatttcg agcatctcga tatattacgg gactcaatca 120
 gacatccgag taaaaagtta ttgtagtttc aatttgctca gggcttcggt attccatata 180
 gagcgtctcg atgtattacg ggactcaatc agacatccga gtaaaaagta ttgtcgttga 240
 attgctagag ctctacattc aattcagctt tcgattatac ggactcatca acatccagta 300

aaagtattgc gttgatt

317

<210> 14262

<211> 213

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14262

cctcggatcc ctgtcagata caatactaga aggaattcca tgcaacctta ctacttcctt 60

gatgtacaac tccactagct ttgccattct atacttcata cgagtgaat gttatgacca 120

ttcgaacnnc tcgagagcct tcgctgttcg acttcgagcg tctcgatata ttatgttcct 180

gaatcgaaca ttcgagtga atgtatgaca atc 213

<210> 14263

<211> 162

<212> DNA

<213> Glycine max

<400> 14263

tgcctatgtt gttgtggatg atttctctag atttacctgg gtcaactcta tcagataaaa 60

gtcagacacc tttgaagtat tcaaggagct gagtctaaga cttcaaagag aaaaagactg 120

tgtcatcaag agaatcatga gtgaccatgg cagagagttt ga 162

<210> 14264

<211> 230

<212> DNA

<213> Glycine max

<400> 14264

aatgogccga taccgttgac tgggtggtag gtcttccaac ggggtgaaca cctgaatact 60

gtattttggg aagacccaaa agaaggataa aagtaagact tgcatatgaa agaagaggtc 120

cattttcttt gatcttccgt actggtctga tctagatgtt agacattgta ttgatgttat 180

gcacgtggag aaatatgtat gtgacagtgt cattgggacg ctccttaaca 230

<210> 14265

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14265

actaagcttg gcctntcacg tctggaatat gaatgtggca tatagatcca aagaccctta 60
cgtgctttgt tgatggcttc ttctcggtcc aagcttcaact cggagtcttg tcttttacag 120
acttagttgg acatctggtg agtatgtaaa caacagtgtg gaactgctta gccacacatg 180
tgtaggttag tcccttcttc tcgagcatat atctagccat ttccataact gtgcgattct 240
ttctctcgga cactccattt tgttgaggag aatatgcgac tggtagttgt cgctcaatgc 300
cttcaccttc acaatatctt tcaaactcgc gagaggtgta ctctttgtca tgacacttct 360
tagtactatt atccagtttt cactttgatn ttcagcaagg gccatgaaca tttagaatac 420
tccanagact tctgattggt ctattagaaa ata 453

<210> 14266
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14266

gacgaaggaa tgtatctacc ttcactcacc caaagatgaa tntggctatc gggcttggga 60
tccaatcaat aagaaggttg tccgtagcag agatgttgta ttcttcgaag accaaacgat 120
cgaagacatt aaaaattcag agaagccaag attgagaagc agtaagaaca ctgaacttac 180
tccagttcga cgtgaggata atgacacaac agaaaatagt gatgctgaag atcatgagcc 240
tatgttagag caaaacaatc aggagactca tgatgaacca ggtcaggaag atcctcaatc 300
tagctctcta tcagtgccag agccaagacg atcctctagg gaaagaaggc catccacttg 360
atataacaca gatgagtacg tgatgctcac tgatgatggg gagcctcaaa gcttatagaa 420
gccatctatg ata 433

<210> 14267
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14267

tagttccttg cttagcccat aaagggtttcc agataaggct aatgaactta gcatctctat 60
 ctgacacaat aatcctacgc aaaccataga gtctcataat ttccccaag aagagttttg 120
 agatgtggga aacatcatca accttatgcc atgggtataaa gtgtgccatt nttctaaacc 180
 tatccaccac caaaaagata gagtctacac gtcttttaggt tcaaggaagc ccaagaacaa 240
 agtccatact aatgtctacc gaggggtgcaa atgggatgag taagggtgtg tatagcctat 300
 gaggtatcac cctagactag ggcttgtaac aagccacaca cctagtgcaa tcactacaat 360
 aaaaatgacc tatacctaca gacaaatact gtcactataa g 401

<210> 14268
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14268

cgacaaacca gcatgtntaa gtaataataa taataataat aactattatt attattatta 60
 aataaaaaaa cttctaaata atcaaataat tgaggtaatc taacattagt tgatgagtaa 120
 tctattacat agagattact acagttatat agcccaaagc taatctatta caaagttttt 180
 aattttcaag acaaaatttc aacataaatt tcgataccag atgtcaaaca taataatggt 240
 aggaagtcac acatcgtcgg tatcaactct cggagtgcag tttatatatc tattgggtaa 300
 tttcacttga tgtaattga tgttatgata aaatctaaca tagtatcgga gcctataact 360
 catcttggtt ctgcctgta ctggtgaagct ctcttgatct 400

<210> 14269
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14269

acactatcaa tctcagctat gnttcaata cgagcgtctc gaaatcctac tggacacaat 60
 tggacatccg agtgaaaagt tattgtcgtt tgaatatggt tagagcttct gttntcaatt 120
 acgagcgtgt gaatatccta cgggacaaaa tcggaaattc gagttaaaag ttattgtcgt 180
 tagaagtttc tcattgcttc cgttttcaat taaaagcatt tcgatatcct accggacaca 240

atcgaaaatc cgagtcaaaa gttattgtct gtcgaatttg ctaagagctt cagttttcaa 300
 ttacgagcgt ctagatatat tacaagactc aatcagacat ccgagttaaa agttattgtc 360
 gtntgacttt tctgagagct tccgttttga atgtcgagcg tctcgatata tta 413

<210> 14270
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14270

tgtcttcaac anacaaatca aaatcaaatt tctgatcttc aaaacctagc tccagcttcc 60
 tctcccccat atcaactatg cagcttgagg tcaacatgaa tggccttccc aatattacaa 120
 ggatgtcagt atcttcagag atatccatta ccacaaagtc tgctcggaag aataaaatgt 180
 ttactctgac caaaacatct tcaattactc catatggcct ggtaatggag cagtaagcta 240
 attgtaaagt cattcgagtg ggcattatct ccaactcttc caatcttctg cacatggaga 300
 gtggcatcaa attgatactg gctcccaggc caataagagc ttttcccaca ttgacttctc 360
 caattgaaca aggaatctgt acactcccaa gatctttatg ctagggtgga aggatcttct 420
 ggatcacagc actgcaatnt ccttccacta tgat 454

<210> 14271
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14271

cgcttgaaat tgaataacgg atgctctcta gaaatcagat ggtcataact nttcactcga 60
 atgccagatn taggaacaaa atatatagag acgctcgaaa ttgaacaaca gatgctctct 120
 agaaatttaa atggtaaaaa tttttcactc ggatgttaga ttcaggcaca taatatatcg 180
 agaacgttga aattgaacac taaagctctg gtccaattca aacggccata actattaaca 240
 tgggtgtatg attgaggccc atgatgtatc gagatgatag aaattgaata acggatgctc 300
 tcatgacatt caaatggtca caagtnttca ctcgtatgtc 340

<210> 14272

<211> 278
 <212> DNA
 <213> Glycine max

<400> 14272

agcttcatgg cttgggtggc ttggacgtgg tcctttgtct ttggcttctc aactcaagga 60
 acaaagattt cttattgttg accccaattg atgacacaca gatagtgttt gttgtggggg 120
 ctttgggtaa gtgaacgagc aaaagaagtg gtgacatcac cttttcttag aaaccctttg 180
 caaccttctt tatactattc ttctctagaa actatctctg tggggacact cgattgtcca 240
 ttgagaagtc cacttttgaa gtgggggatg atgggaat 278

<210> 14273
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 14273

tcatcattta taaagtggta cacccaaaaa tacagataat tcgccagctt tatgtgcaat 60
 ttgtgtccca ttcaaattat cttcaatagc agtctaagga ataaaccctt gttctatggg 120
 cttcagataa acgattctct cataagttct ggttcgagct caaattcccc tcttccttaa 180
 cctctgttat tattctgatg gagtga 207

<210> 14274
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14274

tgaaaaanna caacgttttn tttttcaaaa tatttccatt tttatagatg aggcgttatt 60
 tgatttcgaa atccgattat tatattccta acccgaagtg ctcccttggtg tattcataaa 120
 aagtaataat ttttcttcga atcttagcaa ttgatatact ttcgaaacac caattttttc 180
 ttcatttgaa ttgacagtga attctttccg attcttattc gaattatgta ttcttttttc 240
 taaattaaac aaggcaagga ctaacttccg aactgcaagt aaaataaatg atagaataca 300
 acatagattt atctattagc tctatgactt gtaat 335

<210> 14275
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14275

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agtctaaaag aaaaaagaat actcgtttta taaactataa ataacattnt tacactctca 60
tacttgatga aagattcaag taaaaaaaaat gcttattgta aagcattata gttaaattag 120
acccatgaat aatatttang aaaaattgca attgcaatgg cacttttaat ttataaaaaa 180
cattcacctc cttttgaata aattntttta gattatgatt ttttaaata gaagtcagta 240
aaaaataatt gtgtatgatt tttaaaaaat ttaaaaatca acaaactttt attataattc 300
gtaatttgat atcattgcat atactaatag acatttatat nttattatga aaaaattatt 360
anaaacaatc aaataaatag tggttgatta aacaaaaaca atgaatttct tatnctgtta 420
tagtaatttt tttctttttt tctgtgtgat aatattat 458

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<210> 14276
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14276

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ctaagctgaa gcaactggat gcatggtaac taggtnaccc agctggcctt gaatcagaaa 60
tctgtacctg tcgcaagggg ttgtggtttg tgctcctctg ctgaccacca tacagacctt 120
tgcccttcca tgcagcaacc tggagcaatt gagcagcctg aagcttatgc tgcaaatatt 180
tacaatagac ctctcaacc tcaacagcaa aatcaaccac agcagaacaa ttatgacctc 240
tccagcaaca gatacaaccc tggatggagg aatcacccta atctcagatg gtccagccct 300
cagcaacaac agcagcagcc tgttccttcc ttccaaaatg ttgctggccc aagcagacca 360
tacattcttc caccaatcca acaacagcaa caaccccgaa aaca 404

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<210> 14277
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14277

tcttacaaga gactaagana tntctgacga nnaaatttga gatgaaatat cttggggaag 60
cctctnttgt attaggaatc aagatactaa gagatcactc tcaaggcatc ctaaggttgt 120
cacaagagag ttatatcgat aaggtcctag atagattcgg catgaaagat agtaaaccag 180
tagataccca gatagctaaa ggaacaaaat ttagtctcaa acaacacccc aataatgacc 240
ttgaaagaat agagatgcaa aataittctt atgcattagc attagaaagt ctaatgtacg 300
cttaagtttg cactcgtctc gatatagcat ttgtagtagg agttctgggt agatatntga 360
gtaatcctgg aatgcaggan aatgtgttat gcgttaccta aagagaaaaa aatgatacat 420
gctcacttat caaaagtatg agaatcttga gatcattgga tactcagact ctgatt 476

<210> 14278

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14278

aacattacaa tagacctcct caacctcagc agctttattc aaccacagta gatcaattat 60
gacgctctct agtaacagat acaatcccgg atggaggaat caccctaatac tcagatggtc 120
taccocctcaa caacaacaac aacaacttgc tccttccttc caaaatgctg ttggtccaag 180
tagaccatgc gttcctcctn cagtgcaca acaacaacaa caacagcaac aacaacatca 240
atagagacaa caatccacta ctgaggcccc tcctcaacct tcattagaag aattagtgag 300
gcaaatagaca atacagaaca tgcagtttca gcaggagact agagccttga ttcagagttt 360
aacaaatcag atgggg 376

<210> 14279

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14279

tgatccttca gtcacctgcg gcatgcaagc ttatggtctt aggtcttaac cactagtaat 60
cacataaaac gaagtattat tgggttactg ttttttttat tagcacatga tatatatacc 120

tttagcggaa cagttataca atggccctgg aagaccatta atagtgtagg catcagacac 180
 atttggtcct ccacctgttt gcaatgcctg tgttatgact gcctcaggat ctgtattcca 240
 ccattctcct ganatatgtn gttatatgca tgttaaagat aggtcactcc taagtacatt 300
 aaggtaaata taggaacact atggtatgat gtcacagtca ctttcttatt accaaagatg 360
 acgggaactt tcttgtaagg gttggtaaaa ggatatggag ctcttgctt gggaagaatg 420
 atgatacgac catagagaag^gtgatcttaac catg 454

<210> 14280
 <211> 366
 <212> DNA
 <213> Glycine max
 <400> 14280

ataagtggac ggagagggag agagagggg cacgaaatgt atgcctcaaa tgaggtctga 60
 actctgaagt ctaatttttc atatgataaa agctgaaaa atgcgcacac aaggtctcta 120
 tttatagcct aagtgtcgca caaaattgga gggaaatgtg aatttctatt caaatgtcac 180
 ttgaatctga atttgaatta gtggagccaa cattggagtc aaaactgcac tgattgtgaa 240
 ttcaactatg gttcatctta ctaatccaag atcaaggcct agattctcca ctaagtgtgc 300
 ttatgtgtca tgaagcatgt taagcatgaa gggatgcat taagtgtgac tatacaatgt 360
 gtcaat 366

<210> 14281
 <211> 355
 <212> DNA
 <213> Glycine max
 <400> 14281

tcacatcttc aggaccaatg tctttcatat cataattact agacaataga gacttcacat 60
 catgtatgaa tagcatacta ctaccaaata tcagcatgtc gtgcacatac aagcataaga 120
 tgacacattc actctcatca gggtgtttcg cacacactca tttagcaact atcattgata 180
 ttgaaaagca tatgagagaa caacttgagc tgacttttcg cgccattact ttggagctta 240
 tttcatgacc atattaagat ttaacaacct ataatctata agtagtacta tctagagaat 300
 atacaacaga cacataatca acagtttttg gtccaacttt tcttttctta ttaat 355

<210> 14282
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14282

atlccttttag tagggaatct atccttcccta agatggagcc aaaccagcc accctccttca 60
 agaactagct cttttcttcc tctattgcct gtagttgaat acacctttgt atggttctct 120
 atatggttct taaccctctc atgcaacttc tatacaaata ttgacctaga ttcccccttct 180
 ntatgtataa aagaagtgtc cagtgggaag ggaatgaggt ctaacggtgt taggggattg 240
 aacccataga caacctcaaa aggggactgc ttggtgggtc tatgaacccc cctgtttag 300
 gtaaattcta catgaggaag atactcatcc caagacttat ggttgccntc cagaagagcc 360
 cttaaaaggg tggataaaga cctattcact acctcatgtt gcccatcacg ttgtggatga 420
 caagtgatag agaatagaag tttagtt. 447

<210> 14283
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14283

ggatcttaag tcacctgcan gctgcaagct gcatttaaga ccatcccccc accccgaatg 60
 ctgattctca atccagcagt cccttaccac cttgtggtaa tgcttggtat taagccatcc 120
 atcanagacc ttaanaggct tangaccca atcaatgctc ttagatttca tgaggatagg 180
 gcagtgatca gagtagttcc tttcaagggt gtgctgcgaa ctgtctggcc acttaaaaag 240
 ccaaccatca gagacaacag ctctatccaa tttgctttta caggaaccat tatgcctaac 300
 ccatgtgaac tgcttaccac cactaggaat atcttccacc tccatgatag caagccaatc 360
 attgaaatct gacatgatgc tggactctga atttccatga ttgcttccca ttctctct 418

<210> 14284
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 14284

ctatcccgca cagatgacta tataatcaat gccttcacct catcctcaca attaattctgc 60
actgactcca actgggtaag aatagtatct aattcattaa tatgatcagt tatagagata 120
ccttctccta tcttgatgat gaacaaccga cacatcaagt atactttggt ggcttccaac 180
gaattctcgt acatatctga taatgccttc attaagcccg cagtagtctt ctcatttaca 240
atgttgaact tgacgttctt agctaattgt aatctgatca cgccaagagc ctatcgatct 300
agcaatgttc attcttcttt gcttatgccg ctcgacttaa ccc 343

<210> 14285

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14285

attctaattct agaaatccat gaaggtacct taatgtctga ggtttatggg actaagatgg 60
tcattgacca gtccctattc tatgatttaa cccaattgcc aagcgaagggt gtaccatttg 120
aagggtgcact gattgatgat tggaagtttt atttctctgt acatgatgcc cgccgattgg 180
tttgtaccaa tcaagcagat atgaccggaa ggcttcttgc cagttcattg gcttttgaaa 240
gcgcgcatcct ccattacctt attgttcgca tcttgettcc gagatcttca aaccttgctc 300
atgtttctga agaagatctc attgtcatgt gggcctttca taaaggttta caaattgatt 360
gggcacatct tgttagatat cgcatgtata aggcattgca attgaatgcc ccattgcctt 420
atcctcatct tgtatccttt ncttaacact caacatcctc tga 463

<210> 14286

<211> 356

<212> DNA

<213> Glycine max

<400> 14286

tcaaaattaa aaataccag gaatcttgct caaaacataa tgttgtggca tcggatgact 60
gaactccgag aagtaaagcg gtagctgcaa gggatgaaccg ctggaaacag tttgaccgtg 120
tgataagaag atcatgcggc tgagaagccc tatgattctg taacttagtt ggcgaatgga 180
catgattatg atgcttacac tctgtgcgat tctctgtagc accttcacca ccatgtatgc 240

gctcgttgaa tcaagtccat gttgccttgt ccaggattag aaggtttttg tgaatctacc 300
 cttcttttatt caaccaaccc acgcaagcgt ccaacctcac aattttggat ttgatg 356

<210> 14287
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14287

cttgatgggtg ttgagaagan atcacatggt tgtcatcatc aataaggggg agaattgtgaa 60
 tgtatgtata tatgnatttg atgatgtcaa agaagaatct aacaagcctg cttcaaatga 120
 taagcatntg cttcaagaat aattcaagat tgcttcaaca aacaaagtca tgtntcaaga 180
 ttcattaaag accaagcctt gccttataac aaagtgtttt caagacattc aaggctcttg 240
 taatcgatta ccaggaagtg taatcgatta ccagaagaca gggttgaaaa atagctgttg 300
 aacaatgttt tgannattga atttcaacat gtaatcgatt accatatgtg cgtaatcgat 360
 taaccagcac gaaacttttg aaattcaaat tcaaaagtta taacccttca aattataact 420
 gtgttatcga gtaccacac attataatcg attaccagtg gagagttgtc agatnatctg 480
 ccaacagtca cgatctttca tta 503

<210> 14288
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14288

atgccttagt caacctagta actcagctgg ccataaataa aaaatctgca tctgcatcta 60
 ttactgttgc aagagtctgt ggtctatgtt cttttgttga tcaccataca gatctctgtc 120
 cttcttttgca gcaatttgga gtcaatgagc aacctgaagc ctatgctgca aacatttata 180
 atagatcccc tcagcagcaa aaccaacaat agtagaataa ttatgatctn tcaagcaaca 240
 gatacaatct aggttggagg aatcatccaa atctgagatg ggcaaactct ccacagcaac 300
 aacagcctgt ccttcccttc cagaatacta ctggtccaag caggccatat gttcctcctc 360
 caatgcagca gcaacaacaa agacaacaag caac 394

<210> 14289
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14289

agcttgctnt atagactctt catgtctggc caagaggacc atttagaaga gttataactl 60
 ttagaaaaac ttannaaaca attgaaaagt caaaaacctt ttgaagagtt acatcttttg 120
 atttattcag aaacaatcat tggtaatcga ttaccaaate agtgtaattt attacacaag 180
 gcttttatgt gaaaggatgt gactcttcac atttngaatt gaatttcaat gttcaaaggc 240
 actggtaatc gattacaaaa acattgtaat cgattacaac tttntgaaat taattggaac 300
 gttgtaaatt cagtttgaaa actttttcan atccattgtg ctactggtaa tcgattacaa 360
 taatctggta atcgattacc agagagtaaa aactcttttg taaacatgtt ttgagnanca 420
 tcatgtgcta ct 432

<210> 14290
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14290

tctcgatata ttatgcgcct gaatcagact tccgtgtcaa aagttatgac catatgaatn 60
 tctccactgt attccgtgtg acaagttatg accatttgaa tntctcgata gcattcgttg 120
 ctcaatatcg agcgtctcga tatataatgc gcctgaatcg gacttccgtg tgacaagtta 180
 tgaccacttg aatttgctga gagcatccgg tgatagattt cgagcatttc gatatattat 240
 gcgcctgaat cggacatccg tgtgacaaga tatggccata tgatattctc gagagcattc 300
 gttgctcaat ttcgagcgtc ccgatatatg ctgcgcgcta atcggacttc cgtgtgacaa 360
 gatatgacca tt 372

<210> 14291
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 14291

actcagcttc acattcaatt tgagcgtctc gatataattac tgggctcaat cagacatccg 60
agtaaaaagt tattgtcgta tgaattgggt caaagcttca acattcaact tcgagcgtct 120
cgatatattg cgagactcaa tcagacatcc gagttaaaag ttatagccgc ttgaatgggc 180
tcagagctac aacatttaatt ttgagcgtc tcgatatttg acgggactca atcagacata 240
cgagttaaaa gttattgtcg ttgggattgg ctgagagctt caacattcaa ttctgagcgt 300
gtcgatatat gactggactc aatcagacat cctgtcaaa agctattgtc cgttgaattg 360
gctcagaagc tcaacattca attt 384

<210> 14292

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14292

agcttgaacc aattcaaagc acaataactn tntactcgga tgtctgattg aggcccgtaa 60
tatatcgaga cgctcgtaat tgaatgttga agctctgagc caattcaaac gacaataact 120
ttttactcgg atgtctgatt ggtcccgctc atatatcgag acgctcgaaa ttgaatgttg 180
aagctctgag ccaattcaaa cgacaatata tcttttactc ggatgtctga ttgaggcccg 240
tcatatatcg agacgctcga aattgaatgt tgaagctttg agccaattca aacgacaata 300
actnnttact cggatgtctg atagagtctc gcatatata 339

<210> 14293

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14293

atagctcctt caactgcaca aggctattaa tattngaaga gtatccttgn ggaaccttca 60
cccgaacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcatgctg 120
ggggcaggta aatattcttt ccatcagacc ttggatgcaa ctatgatcgt ataccatata 180
cagctagatc ttgatgggta ttcaagccat acttcgtctt gccttgaatg ttaatgagcg 240

tcccaatcac actgttgcaa acatTTTTct ccacatgcat aacatcaata caatgtctaa 300
 cgtcaagatg acaccagtac ggaagatcaa agaaaatgga cctgcttctc catatgcaac 360
 tctgacttat atccttcttt tgtgtcttcc caaatac 397

<210> 14294
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14294

gctntctgtg tcttctntaa taaagatcta gtggtagaaa cccctactag tggttctgtg 60
 ttaacttctt atgtgtgttt gaattgtcct gtggagatat ctggcacaac attcttgatt 120
 gatttgattt gtttgccttt gaaccacatt gatgttattc ttgatatgac ttggtctttt 180
 ttagacgatg tactggtgaa ctgatttcat gaaagtgtgg tggttcgatg attctggagt 240
 gagtaatgat atgtattcta tctctgccaa cccagttgtg acatctttta aggaagatgc 300
 tcaagtatac atgatcttgt ctagccagga agtacagaca aagggttcta tgtgtgaacc 360
 tcct 364

<210> 14295
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14295

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 tctgacattc accacagatt ctgccttctt ctattntcag attgggaatg cctctaacag 120
 caccctttgtc aatgattttc ttcattgctc ttaagtgcag atgtccaaat ctatgatggc 180
 catatttgac ttcattcttct ntggaggata gacatgtgga ggagtaactg gttcttgacg 240
 ggtcataggt aacagttgtc ctttgatctg ctgcccttca ttagaacttc actcttctca 300
 tttgtcacca agcattctga ctntgtgaa gttacattga atgcttcac acacaactga 360
 ctgatgctga tcaagttt 378

<210> 14296
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14296

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ctcagcttaa catcagacca ctccaggggt gctggaacta cttcacatgg acatgatggc 60
gcctatgcaa gttgaaagcc ttggaggaaa gaagtatgcc tatgttgttg cggatgattt 120
ctccagattt acctgtgtct actttatcag agaaaaatca gacacctttg aagtattcaa 180
ggagttgagt ctaagactct caagagaaaa agactgtgtc ttcaagagaa tcaggagtga 240
ccatggcgga gagtctgaaa acagcaagtg tactgaatac tgcacatctg aatgcatcat 300
tcatgaattc tctgcagcca ttactccaca acaatatggc atacttgaaa ggaaaaacat 360
gacttt 366
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<210> 14297
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14297

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agcttctgta atcgattata ggctatctat tcttgtgtaa tcgaatacca gaacactaaa 60
taggctcttt cctcataaaa atatctatgt ctatgctaaa aacatctaac tatagcagtc 120
atcaatactg atactcattt aattcaatca aacaagaatc aatcacacaa taacacacca 180
atcaaacaca attaaaatct tataatcaaa tacaatcaat caatcattaa ccataaatat 240
ttcaatcaac caatcaatcc ttatttatcc aaatcactaa tatctaagag gcctaattct 300
cttctaattg aaaagaatgt ntcttttggg agaggttgtg tgaagatatc aacaagttga 360
ttctttgtat caacagaatt ctacacataa tctcccttca gaacatgata tcttagaaaa 420
tggtgtctaa tttctatatg c 441
```

<210> 14298
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 14298

agtctcgcga ttgtcacgtg ctcatgcaac atttgttagc tgtggctata cgagacatct 60
 tgccaaacaa agtcaggtta gccataactc gcctgtgctt tttcttccat gctatatgta 120
 gcaaagtcac tgatcctgtc aagtttgatg agctggaaaa tgaggccgca attataactgt 180
 gaaagttgga gatgtatatt ccccttgctt tctttgacat catgattcac ttgattgtgc 240
 atctggtcag agaatcaaa tgatgtgggc ctgtttatct acgggtggag tacctgggtg 300
 agcaatacat gaagatctta aatgggtata caaagaatct atat 344

<210> 14299
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14299

gcttccaaca actganacat atganatatt cttcatatgt tccactcac aatcatttgt 60
 tgggcactaa ctcaaactga gttgtcacc cttcataatg gaagctacac tnggtgaaca 120
 atctttcatg ttaaatatct ctaaaactat attaataata gtctcttgag acaaaccctaa 180
 aatgcctcga gactcttctc tatggatctt aatgccaatg acataagctg tctctcccat 240
 atccttcata tcaaagttct tcgagagaga ttgtttcagc tcatatagca tattcttctc 300
 attagttgca agcaaaatat tagccacgta taacactcga aaacanactt tactcccat 360
 gaccttttgg tatatacat gatccatgat gttttcttca aaaccgaatg aagtgatgac 420
 ctcat 425

<210> 14300
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14300

actagatgcc ttggttaacc aggtaacctg gctggccttg aatcagaaat ctgtacctct 60
 cgcaagagtc tgtggtttat gctcttctgt cgaccatcgt acagaccttt tcccttctat 120
 gcaacaacca ggagcaattg agcagcctga agcttatgct gcaaacattt acaatagacc 180
 tctcaacct caacagcaaa atcaaccaca gcagaacaat tatgacctct ccagcaatag 240

atacaatccc ggatggagga atcatcccaa ccttagatgg tcgagtcctt cacaacagca 300
gcaacaacaa caacagcctt attntcataa tgctgctggc ccaagcagac catacattcc 360
tccaccaatc cagcaacaac aacaacaaca acaaccccag aaacaac 407

<210> 14301
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14301

acttggttac ttattccaac cgtcatcctc gttgccactg tagaggggtga ctgaccacca 60
catccactta attctacaag tcgcatcaat gagcgtgcgt ccttatctgt acccccatta 120
ccagaagtag gaaattgagc ttcaggtgga atcaatgttg caaaaggggc ttattagtcc 180
gagtacaagt catttctcgt cactagtgtc gctcatcang aaacatgatg actcttggcg 240
atthttgcgtg gactatagag cactcaatgt ggtgactgtc tgtgactggg ttcctatcct 300
caccatcgat gagcttctcg atgaattgng caaagcttgt tggatttcga aattggattt 360
attgcaaggc taccaccata ttcggatgca ttcaccgaac attgccaaaa cagcatttcg 420
gacgcaccat gggcactat 439

<210> 14302
<211> 345
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14302

agctttctata gaagaatcat tcttaatttc tctacaattg cttcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaggca cctgttctag ctcttctga cttttctaaa aattttgagc 180
tagaatgtga tgctcttgga gtgggagtta gagctatctt gttacaaggt gggcacccta 240
tngattattt tagagaaaaa tttcatggtg ccaccctcaa ctacccacgc tatgataaag 300
agctntatga ttttaataaga gccttccgaa cttgggaaca ttatc 345

<210> 14303
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 14303

atctgaagta catctgctct aatcttggta agacgatcat caagaccatc taagaaggtg 60
 tagactctgt cttcttgcaa aattaaatta tatctctgaa tctcagcatc acacaacata 120
 tgatttggtc gacgaagatc gatctctctc catagtcctt gtaggttgtt ataatacgtt 180
 tcaatagatc tgtcaccttg catgagtcctg gtcactcttc ttttgagatc atatacttgt 240
 gatgtatcac cgctatcaaa gtatgttgta gcaatactat cccaaacaac cttagccgtc 300
 agaaatctat ataaagttct ca 322

<210> 14304
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14304

caagtataga gntactatta tacactaaag ctccattaaa aactgaacca tgagtacata 60
 atatactaca ttgctactgc attaaacatg ttatttggtat taaccaactc caggacctac 120
 aggacccttt cccttatttg tgagaaaact agcgtaatat aatctagttc tataattaac 180
 taaagagtta agataagcta tcccaaanac gcaatatctc cttcttatgt ctcgtcaaca 240
 agttgaattt ggattaacta agtgata 267

<210> 14305
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14305

cttgagtccc gcgatctctg agtcacctgc gggcatgcaa gcttgcaatg aaattaacat 60
 aacaatgtat ttatatatgt gngacaaaat aatacaana tgatatataa ttcttaatat 120
 agaattgaca ttcatttggg ccaagttaaa tgcattttgg tagttattat atgaggcaag 180
 gcttatgnnt tcatcttctt aacatgtaaa attaacaatca ttttttaaca ttccttttga 240

taaaattgta tatagtcatt tgtgtacaaa ttatttgcac ttatgtttca aatttgtact 300
taggcacgga tcgtaagatt acaaactctat tctttcatac tcgaaacggt ctttcaatag 360
tgcacacctaa acttatactg gagtgataat aattaaaaat ttcattatta tctgcaaact 420
cagatctatg tctaanatta ggatgggtgg aacggtacat atgtacggac aacatat 477

<210> 14306
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14306

aagcttcctt gataagctag aggggtgcta ctcacatctc tccaatagct aagttcaccc 60
cgatgccaaa atacatgaaa aatacaaaaa gtctcttcta caaagactac tcaaatgcc 120
ctaaaatata aggctaaaac cctattgtac tagggtagcc ttaacttgaa aggtagggtg 180
cccttaattt ttagcatacc ctataaacct aaaaattgcc aaaatacaag gcccacaaga 240
aggaaaccct attctaatat ttacaaagaa ngtagggctc tacttagccc atgggcccac 300
attctaccat aaggctcatg agaaccctaa ggtcttctac tgcatactg gcccaatatt 360
cttggagtct tcta 374

<210> 14307
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14307

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aacaattatg acctctccag caacagatac aacctggat ggaggaatca ccctaacctc 120
agatgggtcc gccctcaaca acaacaacag cagcctgctc cttccttcca aaatgctgct 180
ggcccaagca gaccatacat tctccacca atccaacaac agcaacaacc ccagaaacaa 240
ccaacagttg agggccctcc acaaccttcc ctggaagaac ttgtgaggca aatgactatg 300
caaacatgt agtttcagca agagaccaga gcctncattc agagcttaac caatcagatg 360
ggacgaatgg ctaccaatt gaatcaacaa cagtccccag aatcttgaca gctaccttct 420

caagct

426

<210> 14308
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14308

attgtataat ttatattctt catttatata tnttgggtact ttataaaaat attctattaa 60
tcttttctatt atcaatatta taaaaaataa aataataaga ttagtatcaa gttattttct 120
tattcttttt ctttatttaa aaaatacatt atcttatggg gagatttttt tattacacat 180
acaaataaaa gaaaatcctt gtgagagcaa tggcccttgc aaaattatac atgcatcgcc 240
aatgatcatt gtgcatgaaa tacttgaata gttattaatc ttgattgtct caatanaata 300
attaattaaa atttanagaa tcatttat 328

<210> 14309
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14309

ttattttctt cctccatctc ccaatagcaa actttatagc agacatgaga ttattccata 60
aaataaaaat atgatacaaa cttacaagtg tctatatggc ttcatagtca tctgctgcag 120
gggctgnggg agcatcagct agagcagata acacaacaaa ggcaccaaat aagattgtga 180
taatggcagt gaagttgaca agcaaagcct cagaaccata tttgtccaat cctgagttct 240
caaggaaagt gagcttctcc agatacccaa gagcagcagt gcccacagcc aagacatata 300
caaacagccc atatagcgcg tgccaaggaa gtgaggcgcg tctaattgtct ggagtccac 360
cagngaagaa taagatcaca aacccatata tccacttcag ggaaccaaca caat 414

<210> 14310
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14310

tagttcctag cttagcccat aagggttttcg agatatgtct attgaactta gcatctctat 60
ctaacacaat ggtcctaggg aaaccatgga gtctcacaac ttccctgaag aagagtnttg 120
agatgtgaga agcatcatca acdttgtggc atgggtataaa gtatgccatc ttgctaaacc 180
taccaaccac cattaagata gaggctacac ctctttgggt tctaggaagc ccaaggacaa 240
agttatatact aatgtctatc cagtgtgcag atggcatggg taagggtgtg tatagcctat 300
gaggcatcac cctagacttg gcttgaaata agccacacct agtgcaatgc ttatggacat 360
ctttcttcat atgggaccaa tagaactttt ctatgag 397

<210> 14311

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14311

tacgtgcttc tactcctatt gaaaatgtgt tgctagtata aggtttgaaa catagtttat 60
taagcgtag tcaattatga gataaaggat ataaagtatc tcttgattct gaaaatgtg 120
ttattaagca tgagcatgac aaacatattg aacatacagg ttttagagaa tataatgtct 180
acatgattga tctacaacac aaatctataa atgataaatg ctctntaagt aaagattgtg 240
atccatgggt atggcataag agaattgctc atattaacat ggatcatcta aatagggtaa 300
tttcacaaga tctagttatt ggactgccta tattaatatt tgaacaagat aagttatgtg 360
atgc 364

<210> 14312

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14312

agagttgatg ttttctgtat ggatgggaac tcangcggat gaagcttttt ctgaggcttg 60
gcattcagat gcatcagagg ctagtgtgga aaacattgct cacactcgtt ccaaggtata 120
tatttctcct aagctttggt atcttagaat taatgtgatt caagcccagg atttggtgct 180

aacaaacaag agtggcaata ataactcgga aattttcatc caaggtgggt tggggaactt 240
 ggctctgagg agccgttcta taaagtgtag tacaagcccc tcgtggaatg aggatatgat 300
 gttcgttgtg gcagaaccct ttgatgattg c 331

<210> 14313
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14313

tgagaaaaat gagatgacat taactnttta ctcggtatgct ttattgaatc ccgtaatat 60
 tcgtcacact cgtatttcat aacataggct ctgagcaaaa tcaaacgaca ataactttca 120
 acacggatgt ccgaatgaat cctgtaatat atcgagacgc tcgtatttga aaacggaagc 180
 tctgagcaaa ttcaaccgac gataacattt tactcggtatg tctgattgtg tcccgtagta 240
 tatcgagacg cttgaaattt ataatagaag ctctgagcag tatcaaacga caataactnt 300
 ttactcggtat gtccgattgt atcccgtagt gtatcgagaa gctc 344

<210> 14314
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 14314

ctattccaag ttcattaacc atacctttgt tctagatttc ttcttccact ccttcagcta 60
 gggccatgta ttctgcttca gttgttgaaa gagcaacaac tgattgttgt accaaacaaa 120
 gtaaacacat atcctgttaa ggatttccct gtgtctacat ttcttgcaaa atctgcatct 180
 acatagcttg tgattgttgc ctcttggtgt gtcttcttgt accttaatcc aacttgcaaa 240
 gatccattta gataccttag tgtccacttc atagcttccc agtgtgcaact gccaggatct 300
 gccatgaatc tgcttattat gcttacagca tgagccaagt caggtctgct gcataaccatt 360
 ccatacatta tgcttccaac accactggca ta 392

<210> 14315
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14315

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tcgaaataca tcaatttatt ggatttcagtc aatgtttctca catcaagttg agtatgaaaa 120
ctgctagtc caaatgtgat tattacttga tgatccacat tccccctgct gcaatctttg 180
taaaaagaca aatccctaca cataagtcag gcacatgtcg gatattgtac ctacacaacc 240
cattnttgaa gatttccatg agttggaatg gagcagacaa gatctttctg aacttcctta 300
aatatattta ccanattgga agggactttg accccttcag gaactgagaa tgaaggccct 360
attgcttggc caggcccatg ataagggttc tatgttagac aagtgtgctc agatatctta 420

<210> 14316
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14316

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tcttaagaag ggggggttga attaagatat tccaaactgt tccccctaat taaaaatcta 120
tttcaactgtt tactcaagtt atgaattccc ttaatgaaaa tttctttaa tattaattta 180
aatgaaacaa tttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctcaagttnta tactgggtcg gccacaccct tgtgcctacg tccagtcctc 300
aagcaaccg cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacacac 360
aaggacaatc cttcctttgt gtttagagat cctntacaac aagagactca cagtctctta 420
atcccttaga gaatgagaag aagaagaaga acanactctc ctagaaagag atggatttta 480
cagatngagc actcanataa ttcctta 507

<210> 14317
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14317

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 tgcgcttatg accagaagtg gtacagcaaa ccactgagaa agttaagtta attcaggaaa 120
 ggataagaac tgctcagagt aggctgaaaa gntatcatga taagaggagg aaagatcacg 180
 aattcgaggt tggatgatcat gtaattcttga gagtcactct gtggactgmn gttggtcgag 240
 cattgaaatc ccgaaaaactc acatctcgct ttattgggtcc tttccaaatt cttaagagag 300
 ttggccctgt ggcatgccat aatgcactac ccccgctctct ttctaattct cacaatgtct 360
 ttcatgtgtc tcaactccgt aagtgtatct gtgatccatc ccatgtgatt gaattggatg 420
 atgtac 426

<210> 14318
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14318

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 tattntaaag atgaaatctc atacaattgt ctaatttcca tcagaaggca atgaatatgc 120
 caatcactgt ggaaggaaat gagctgagta gatttattga cccgccagga gatgcctact 180
 tggatgattt atttcatcca ttggataaac aacctgtgga ggttgtagca gaggcgtcca 240
 cttctacatc cacttcacat atgactaaaag gtaatgcac tgcaattgat ggtgtgaaaa 300
 atgacttggc taaagagttg agagctacca ttgctcgaaa gcaatgggag aaggatagtg 360
 aaatnggaca tgccaacaat ggcgggaatc ttttgaccga gtgatgatag gcgtctaaa 419

<210> 14319
 <211> 248
 <212> DNA
 <213> Glycine max
 <400> 14319

tcataagtta tcacacggag gtccgagtca cgaacatcac atatcgagac gctcgataag 60
 gaacaactga agccctttat atatagaaaa ggccataact tttcactcgc atgtcctttt 120
 catgcgcata atatatcgag acgctcgaag ttcacaacgg aagctctcga gaaatgaaat 180
 tggottaact ttcactcgga atccgattgg gcacataaca tattgaacac tcgaaattga 240

caacagaa

248

<210> 14320
<211> 397
<212> DNA
<213> Glycine max

<400> 14320

agcttgaaac tcgagggagg gaggataatc tgagactcta ttaaaagatc tcaccttttg 60
tcagttgtgg aatgcacaca cacatacaca caaacaatca gtacagataa tgaaaatcat 120
atgggcatac aatccatttg acatacctaa gcaagctatc aaatatcttt caaagagtat 180
aatgcaaaag cttcatagca ttcccggata atttcgctgt taaatgctgc atcataattc 240
aatactgaca aaaactgcac catacaaaca tcagaacctc caaatgcatt attacattct 300
attttaaaga agaaacaaaa aatgaaaaga ctaagaactt gattatcaat tatgtacaga 360
tagctgaaaa tgctagtatt aatgcttgta gtactca 397

<210> 14321
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14321

tcttctctgg gttcttcggg ggaagatgat gaatgggaaa cagtggggcc gaagaataaa 60
tatactgtta caaggactca aagctttctc ccatcagaat taagtggat ttttgagga 120
caacttanaa gtttggtgag actaaaggta caaaacaact ctataatata ttagtgaagg 180
gatttttttt gttttaaatg tcaacttcat taagattttg ggaaatttca tttgaccagt 240
ctgttgcttc gtgctgatat tcttcaaaga aaaaatgaac atgtaaataa agtatgtatt 300
atataaaaaa aacattatgg ccattggcac gatttctttt tgtcatttaa gaaatagagc 360
ntctgtact gttcaaccat atctctggct ccatcttgac atctatcct 409

<210> 14322
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14322

actaagctnt anaagattgg ctaagatttt gttaanacat aagcacttag acaatgaagg 60
aaagctggag ttgctgcaca tgatgtccaa cgttatgtca aagaataaga tcgggctgca 120
caatgcacaa ggcaagatga aatgtcaaat gaagaatcga agctgcagga ttcacgatgt 180
cggatacaat gtccaggaca tectgcccga nacactggag gtgctgtaca atgtacaatg 240
caagataaaa gtcaagtga gaagtgaac tgcaggatcc acgatgtcgg atacgatgtc 300
ctgacatccg gcccgataat actggacata tgaatctgtt atatctttaa cagattatt 359

<210> 14323
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14323

agcttgcaat ccaaaggtag gaaactgagc gaatccgcaa tectgtgtcc ctgagaagaa 60
ccacttgaaa aaaccccaca tgaaactgat ggaaaaatac ttcaagaacc caccaacttg 120
cttctgaaa tacaagataa ttaatcaact caatcattat ctntaattaa atgattaatt 180
attaggacaa cttataatcc agttccttaa ctgttttttg tgttgatttt tccagccaga 240
attgaagttt tacttcagta acctgtatta atccttaata ctacaaaact attataactc 300
taactttaat tgggtgtacca atatcaaaat tacaaattat catatcaatt ttattntaaa 360
ttaanaagaa caagaatntt gatgactcaa tgagaggagt a 401

<210> 14324
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14324

atggtccaag atcttccttc tcgcctcttc ctttttttg ttgaaattgc tcttggaggg 60
aatggaagaa ggatatgctg cttctctcta gaatcacctg catacaaatt gtaggaactt 120
acccttacat tttgccatca tatctttctg gagtagagtg aggttgggca ggttccattg 180
cggatgacga agatgttgct ggttgagggc cttgacactg ccttnccgac ctcaatgcaa 240

tgacacctca catttt

256

<210> 14325
<211> 410
<212> DNA
<213> Glycine max

<400> 14325

agcttcttag tctcagatga tgcagctgag tttgtagcta cctcatgcac tcctctaattg 60
actatggcat catttctggc gctaaactgc tgagagttgg aagccatctt ctcaattaaa 120
tttctggcctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagttg ttctgaaatc 240
tgatgggtggg ggcaactagc acatagtttc ttaaattctt cccagtactc attcaggctc 300
tctccattga gttgtctaata acctgagata tccttcttga tggctgtggt cctggaagca 360
gggaaaattt tttctaagaa tactctctta aggtcatccc aactcgtgat 410

<210> 14326
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14326

agctatgagc anattcaaac gacaataact ctttactcgg atgtctgatt gagtcctgta 60
atatatcgag acgctcgaaa tggaataccg aagctctgag caaattttaa cgacaataac 120
ctttttactc ggatgtctga ttgagtcctg taatatatcg agatgctaga aattgaatgt 180
tgaagctctg atcaaattca aacaacaata actttttact ctgatgtccg attgagtcct 240
gtaatataac gagacgctcg aaatggaata ccgaagccct gagcaaattc aaactacaat 300
aactttttac tcggatgtcc gattgagtcg cgtaatatat cgaacagctc gaaattgaat 360
gtagaagctt tgagcaaatt catacgaaca atactcttta ctggatgggt ctgatgagtc 420
ccgtaataata tcgagacgct cgaaatgaat accg 454

<210> 14327
<211> 305
<212> DNA

<213> Glycine max

<400> 14327

atcttagagt cgactgcgct cgctgaatga cactgagcttc agaatttgat tcttaccttt 60
cttcgggagg ccacgaggac ttactgagga aacgctcgaa atgacaacgg agcttcgaca 120
attcgatggt cataactttc aacggatgtg cgattctggg acataacaca ttcaagacgc 180
ttcgaatatt gaacaacyga agctctagag aaattcgaat gggcataaca ttctacacaa 240
atatccgatt tgggaaaata atatatcgag atgctcaaaa ataaacaacg gaatctctag 300
agaaa 305

<210> 14328

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14328

agctngaatc agacatccgt gtgagaagtt attgtccatt gaatttctca agagcttccg 60
tagttcaatt tcgagcttct cgacatatta tgcgcncgaa tcggacatcc gtgtgaaaag 120
atatgaccat ttgaatatct cgagagctta cgatgtttta tttcgagtgt atcgatatat 180
tntaaacctg aatcggacct cagtgtgaaa agttatgact atttgcattt ccggagagat 240
tncgatgntt tatttcgagc gtatctatat attataagcc tcaatcggac atccgtgtga 300
aaagttatga ccatttgaa 319

<210> 14329

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14329

agcttgccct tcaactcatt cttatacgag ataaagtact tagtttagact gaggggacac 60
ttgacacact caaactaagt accccctttg acaacatatt cacatatnt atacagcacg 120
tcttgaccct caacatatat ggacaatgag aatcactcag ccgtgattat caccaataaa 180
ctcacttaag gataattact tgattagaag tgtctaagca tgattagaag gtgtattaca 240

caactggtaa tcagccattg cagcagcact tcacttctct tttgacgtat gcaactatcc 300
 aacactatta gaaaatatgc tttctacatc nggtatttat gactttcaac atcgggtttt 360
 gaaccgatgt tgaaagtacc gacgttgata gtattatcgt taaca 405

<210> 14330
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14330

catgcaagct ngaagcgact tccaatatat atgcatggat cttgttgctg ncaattggat 60
 tcaaatgttt ttgcgttagg tctcaaccaa gttatctgtt gggctctcaat caagagaagg 120
 tagctatttt gaaggtttag atcttctaca atgatatttt cattgtacaa gattttttta 180
 atagacaaat aaaatatata ttatataagt aaaagaattc tggcaggatc atgaataatt 240
 cccccacgac ccagggccac tagaccctta attaacggca ttgggaaaga ttntagtcac 300
 agaaattatt taatttaatt taatttataa aacaaatgtt ctannatata aagttaatga 360
 tcttaattta tactatatnt aattataatc aacattttct taagttatgt taacatcatg 420
 ataatgagat cacttaatta ttcttgatgt 450

<210> 14331
 <211> 308
 <212> DNA
 <213> Glycine max
 <400> 14331

agctgggtcag caagggagat aaatcataac ttctttttaa tctaaagatg ttgtttccac 60
 ttccagacca ttgtaggtat tgcacacgga tctatttggg ccaacctgaa cattgagttt 120
 gggaggaaag aaatatgatt tttcatagtt gatgactatt caagataaac ttgggtatac 180
 ttttttctca taattatgag tctttcaagg gctttttaa attttgtaaa agagttcaca 240
 atgaacaaga cttttgtatc tcttctatta gccatgacac tgagtttgaa catgttgaga 300
 tcagatca 308

<210> 14332
 <211> 343

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14332

agcttgccaa tgttcaaagg atgaaagcca tctacatcct tctcaaggct gatttcagtc 60
agaactttct cttcatttat gtgcttange aacggaagct gaaccaatet acctgcggat 120
attaacaaac caagcctcac aataaaaaaa aaggccana acataaaagt gtaatcgata 180
ttaaaaaataa cacatgcatg aattgaaaaa gcatgtgttc aggcattgtaa agtaattgag 240
gcacaaaaat gtgaagttaa ttgataagta tgatgaaaat cgaanagagt gtaataagtg 300
acgaaccatg tacatcangg ttaacattca actcgtgaac.ttg 343

<210> 14333
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14333

gcttgaatgc actattcaat ggtgttgact ataacatctt cagactgatc aacacttgca 60
cagtggccaa agatgcatgg gagatcctga aaatcactca tgaaggaacc tccaaagtaa 120
agatgtccag attgcaactc ctggctacaa aattcgaaca tctgaagatg aaggaggaag 180
agtgtattca tgacttcac atgaacattc tttgaaatgc caatgcttgc actgccttgg 240
gagagaggat aacagatgaa aagctggtga gaaagatcct cagatccttg cctaagagat 300
tngacatgan agtcactgca atagaggagg cccaagacat ttgcaacatg agagttgatg 360
aactcattgg ttctct 376

<210> 14334
<211> 207
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14334

accatacaga ctttttgctt ttcattgcaag cacctggagc aattgagcag cctgatgctt 60
atgctgcana tattacaata gacctctca accccagcag ncaaatcaaa cacagcagag 120

caattatgac ctttccagca acagatacaa ccttggatgg aggaatcacc ctaacctcag 180
atgggtgcagc cctcagcaac aacaaca 207

<210> 14335
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14335

gctngtcac ccacaactga taattccctt tattttttgc ataaantttg cctgctctag 60
gtatttggag gttttcctga gtcaaaacga attcgccata catcgggtcc aatgtaaaca 120
caaacactcc attatcaagg gtgagaacaa agattattga gctagaatac atgcacgaac 180
cagctgcaag aaagggtgctt ccgggttggc acacgttcac aacacatctt tgttctgttg 240
tgtcatgctg caaattagca tatgcatcac attaagcact gaattcacta acaatccttt 300
gtgcaattgt ttataactct ttcttttaag atagtgatta ggaggagggt ggaagctcct 360
tccatgatca aggttaatact t 381

<210> 14336
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14336

tttattactt cccaaagctt gcanaggatg ctgggtaggg taggagaatc aaaatccatg 60
gagcaatgca caactatgat tggccactct gatttgaatg gagatggcct gctttgcttt 120
gatgaattta gagtcatgat gcagcgatga gtctttgtct ttacttgatt taatggggga 180
tgggggttgaa ttccattcat ttatttgtaa ttagatttta aatcttgtgt gatgcacgaa 240
ttctattaca ttatatattt ttttatattt atataaaaat gaatatgcat taataaaatt 300
aaatcttata atacttatta gaatataaat gtaattatac taaaattgag aaatatatgt 360
attttaattg cgagatgtat taatataagt ctaatgaatt attttatgtt aaaaagttgg 420
ttgactgtnt tgaccattaa ctcaatgtan atttacaaca ca 462

<210> 14337

<211> 240
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14337

atgaccattn gaattttctcg agaggtttcg atgttcaatt tccagcatcc ccatatgtga 60
 tgttcttgaa tgggacctcc gtgtgaaaag ttatgaccat ttgacattct cgtgacgctc 120
 cgggtgttta tatccagcgt ctcgatatgt aatgttcttg aatcggacct ccgtgtgata 180
 acctatgacc atttgaattt ctcgaaagct tccgttggtc aattatgagc atctcaatat 240

<210> 14338
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14338

tgcagcttgt ggattaaatt atatTTTTTT atatatagca taacaacggc taataatgct 60
 aattatttaa ccatctaaca tttaatcatt gaattacaat gtgttatcca tttactaagn 120
 tattcattta caacccatcc catcatatat attatgtttg gtgtctatta tataatatta 180
 agaataattt tataagtcatt atgataatta tttattattg aatgataatt taaaattatt 240
 ttacattatt taagcatgat tattaataac tagatatttg tttatgaatt tatatattaa 300
 ataaagtgat acgatcacac ttgattttat gtcattgaatt cgattaattc actgatttaa 360
 ttaacacaaa aatatttata atatgctaca cgcacacgac tcattgatta cacctacaag 420
 aaaatacata 430

<210> 14339
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14339

gcttgtaggc cttgatcttc tttattaata tagtctttng cttcttgaag atcaatggaa 60
 gtggaataga gaatgaggaa aggtgattgg agatgccact ttaaggagaa gatgagtcaa 120
 gaacatgctc actaccatag gaagccatgg ataatagctt gaaggtagga gaatatgagt 180

ggagggagag gcatagaggg gggaacaaaa tttatgcctc agatgaggtc agaactttga 240
 agtctaattt ctcanatgat caaagttgaa aaaattcaca cacaaggcct ctatttatag 300
 cctaagtgtc acacaaaatt ggaggggaag attgaattct attcaaactc atcttgaat 359

<210> 14340
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 14340

gcttctcgat atgttatgcg tctgaatctg ttatgcgagt gaaaaattat gaccatctta 60
 atttcccagag agctctcggt gttcaatatt ctagcatctc gatacgctat gtgcctgaat 120
 ccgacatgcg agtgaaaaga tatgaccatt tgaatttctt gagagcttcc gttgttaaatt 180
 ctctagcgat tcgatacgct atgcgcctac attgaacatg cgagtgaaaa gttatgacca 240
 ttttaatttc tcgagagact ccggtggtca.aattcgagcg tcttgatatg gtatgcgcct 300
 gaatcggaca tgccgatgaa aagttatg 328

<210> 14341
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14341

ctgcagctga agagtttggc ttacatgcc ttactccctt aagtagtatt tgtattgggt 60
 attatattga atgttacatc ttagtccata tcatatcttt tggtcatcat gcatcatcat 120
 gagtgatgca atcctacccc ccaagagcat tggatagaag actccaagaa gattgggcca 180
 gagatgccag agaaggcccc agggttctca tgagccttag ggtagatttc gggcccatgg 240
 gctaagtatg agcccactta tctttgtaca tattatatta aggtttcatt atatttgggc 300
 cttgtattta gggcttcata gtgtaggaga ggtaccctag taatgtagga attttaagcc 360
 cttgtattta nggcttcatg gtatgtcttg atgggttaat cgatattgcc tatataatcg 420
 atacacaact attttggaca tgactgaatn ttcaggagct cttcatcgat atatgtatat 480
 atcgatactt a 491

<210> 14342
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14342

agcttcatga tgggtgctaag agagtcacaa ataattgtaa gcttatccca gnattgaaga 60
 gaaatttgat ttctctgagt gagtttgaca aacaaggcta tgtgttcana gaggagaatg 120
 gagttctaaa ggttctaaag tgctccataa tattcatgaa agggatgcaa aagaatggct 180
 tgtattctct gattggagaa gtgatgattg gatcagctgt tgcagtttct gtcaaaaggg 240
 tgtcaaagac tgaactatgg cacagaaggt tangacatgt gagtgagagg gggttgattg 300
 aact 304

<210> 14343
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14343

atgtcttaga tctcaacgac actcttgatt gcaattttac ttttcctatt atcaattccc 60
 atacaaattc cttagtcatt ctactagtat atgtagatga catcatccta tcagggccca 120
 atattgtctt cgtacaagct gttcagacca aattacagtc tctgttcaat tgaagatcca 180
 tgagcctttg aaatattctc ttggcttaga aatagtcaaa ttcaacagag gcattctact 240
 atcccaacga anatatgctc tatctctttn ggaagataca ggtttcttgg cctgcaaacc 300
 tctcaattta ccaatggatc ccaatctgag actcaatctt catgatagag actctactcc 360
 tgatccatca at 372

<210> 14344
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14344

gcatgcgagc tagcacatat ataagtatat cagcgtgaca ttgttcgtct aaatgtgaca 60

tgttttgata aattcccaat aagcacggat aaaagaaaat aaattaaatt aaatgttttt 120
 gacatattaa aattaactta tgcacatatt aatttataaa atctctgtca ttttaacttct 180
 tcaaaagact tttgacttgt ttataaacta attntaattt atggaaaaaa ttaaatttat 240
 tttactcctt attctcttct cttacaaccg nttattgata agtttattca aataaaacct 300
 aaattttacat cttctctgca attctgaatt agtgaatcac tgattgaaat gaatntaact 360
 acacattact ggttttca 378

<210> 14345
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14345

agcttctagt tggcattgat tcttgggtgta ttcttttaac accttcatgt accgctcaac 60
 tggatacatc caccgtaaaa aaaaggacca cataaccaa tctccctaac aagatgaaca 120
 attaagtga ccattatgtt aaaaaatgat ggaggaaaat acatctctaa ttgacaaagg 180
 acaatgacag cctcattctc canatcatct aattgtcgag ggttgatgac tntgctatag 240
 atagtattaa aaacaaagca canatgagtt atggcaaccc taacgttggt aggcaggata 300
 ccccgcatcg ctacagccaa tagttgggtgc attaagacgt gacaatcaca agactttcaa 360
 gccgaccaat tgagatca 378

<210> 14346
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14346

gcttcttaga cttgatcacc cttcctacac tcttgggtang tgtaacctcc aagaacacat 60
 gatcacccat ttctaactct agcggctcnc atcgcttate catataagac ttctnaccta 120
 cttgtcatgc tngcatcctt ttctgaatta agttgatctt ctctatagtt ggttgtaagg 180
 actctagecc cacaaccatg ttcacaccat cttgatacca acaaagagat gtcctacacc 240
 tcctatctag catgattggt gtangtgaat tccacaacag gtagaacctc ttccccactc 300

ccaaggtgat caaagacaca agccctcaac anacctcta atgataggat cttcctcttg 360
gactgcacat ncgttgatcg aggccgtacc cgaatcanat aaaaattaan aatgtagtat 420
ctaggaagtg atcctangtc atctcccaac gagcaatggt caatcaaaca ttcataacag 480
atagtaataa aatagt 496

<210> 1434/
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14347

agcttgaata aatatattat tcaatttttaa tattatattt tcataaaaaa gaaaaaaaaa 60
gcacatcatc ttaatgcttt ataaacaaat attaaataaa taaaatgcat gaattaatat 120
tcactatctt aaaaacattt aatattttta tttaataaga ttaattaaaa aatgtaact 180
ataagtagat ntagaattat gttttattag aattatatac aaatccttcc aatgaattag 240
aatcataatg gcaagagacc aactttngtt attttttctt caaaataata aatataaaaa 300
aattattcaa attattttaa taacattttat tgtattttaa attaanaatn gattcaccag 360
ttaacccgtt attccacaga cccacttaac ctangagtng catacatann atattgatcc 420
aacgtgtcat atttatatat ttgaagaaat atactcatat tanaaaattt aattatatct 480
acacttgtgt attttata 498

<210> 14348
<211> 277
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14348

agcttccatt gttcaatatt gggcgtctat tatattatgt gcgtgagtcg gacctctgag 60
aganaagcta tgaccatttg aatcgctcaa tagctttcac tatcaatttc gagcgtctcg 120
atatattata cgctgaatc ggacctccga gtgaaaagga atgaccattt gaatttctca 180
agagctctcg ttgttcaatt tcgagcgtct cgatattcta tgtgcctgaa tcggacctcc 240
gagtaaaagt catgaccatt agaatatctc gagagct 277

<210> 14349
 <211> 449
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14349

```

agcttgttga atactcaatg ctaaagtgtt ttggatgttc gacatactat catgtaagtg 60
aaggtaagat ggagtcacac cccaccacag gattctttat gggatatgga gatggagtca 120
aaggattata agtctgtgtc tcatctgaaa gaaaggccat tctgagtaga gatgtcatct 180
ttgacaaact ctctatgttg cattcaaaat tcaatgaaga attgggcaaa gctaacgatg 240
tcattaagca ggtggattnt gatagctcta caataaaaaa acataagcaa ttaggatctt 300
caaatgcacc ttcaacatca aaacacaaca ccagttaagg cgattgactg gacgagtcaa 360
aaccattcat agaagctaag aaccacaaca cccagataga cataaaggca tatcacagct 420
cttgaaagat atgattctga gatagtgtc 449
  
```

<210> 14350
 <211> 359
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14350

```

agcttcaaca tcagactcct tncaggtgct ttaactactt cacatggact tgatggggcc 60
tatgcatgtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tgcgtcaact ttatcagaga gaaatcagaa acctttgaag tattcaaaga 180
gttgagtcta agacttcaaa gagaaaagga tcgtgtcatc aagagaatca tgagtgacca 240
tggcagagaa tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300
taagttctct gcagccatta caccacaaca gaatggcata tttgaaagga aaacaggac 359
  
```

<210> 14351
 <211> 414
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 14351

catgcacgcc tcttctagtg tttaaaaaaa ttgagttgta ctatattatt tctagatgtc 60
ataaattaat atcagcaagt cattaagata acaatattgt gattagcact taattaaatt 120
tattagccaa ttttcatctt tagcttaatt ntctgtcacc aatccgcaat cctcctttca 180
atntgtgtac atttgtatta attgactatc actgcaaato cattaaacaa tgtttataga 240
aatattcaaa aatactttat taatitattc agaaaaaaga tgtaatatTT ttgcatttca 300
taaaggcaat tgtcaataga atntcatgat atatggaaat aaaaattagt aaatacataa 360
ctactaanna attataaaat ttaaagtaag tgccaagttt agtataaaaa atac 414

<210> 14352

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14352

agtcacctgc ggcattgaag ctngcataca agattctcct tgccctggcac ttcaaaacct 60
tcttgttggg tcatatagat gtcttcctct aaatccccat gcaagaatgc agttntaaca 120
tctaactgct ccaagtgaag attctctgca gctactatgc tcagaataac tctgatggta 180
gtcatcttta caactggaga gaagatctct gtgaaatcaa ttcccttgttt ctgctgaaac 240
cctttcacca caagtctcgc cttgtatctt cttctaccgt cagattcttt ctttagccta 300
tagaccaccc tattctgtaa tgccctcttt ccttctggca atttagttaa agaccacgtc 360
ttattcttct gaagggatgt catctcatct ttcatogeta gctccactc aatag 415

<210> 14353

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14353

agcttagact gaggtcagcc taccatctc atactgatgc ccaaactgaa cggaccattc 60
agtcgttggg ggacctttta agagcatgtg tcttatagca gaagggaagc tgggagaatt 120
ttcttccatt gatagagttc acttataata acagttttca ctctaccatt ggcatggctc 180

cctatgaagc tttgaatggg agaaggtgta cgacaccct atgttggtta gagcccgag 240
aaggcctcat tntagtgatg tgccatcatt ttcttctatt ttctaaacc tttttacacc 300
actttaatta ctgattgggc ttaattgtca attaattagg cagttttatt atttggtctc 360
atntcagcta attgatgttc taatctaatt tcacgaatta atgaaacatt 410

<210> 14354
<211> 254
<212> DNA
<213> Glycine max

<400> 14354

aatgagttta tgagcaactt aggattcaaa agatgtgaca tggaccattg ctactatgtt 60
gagaaatata ctaatagtta tggtatcctt gtcgtgtatg ttgatgacat gttgattaca 120
ggatctagta tgatagaaat taatagtttg aagcaatatg tggcagaaaa ctatgaaatg 180
aaggatcttg gtccacctat acaaatcctt ggtatgagaa ttcttagaaa cagatcacia 240
tgaattttga agtt 254

<210> 14355
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14355

agctntcaac gtattagaca gggcaatata ctttcttcac agagctgggc aatgtactaa 60
gtgtactttg ttaaaactatt taagtagagt tgtaaacggt tgattgctag ctgaaaagtt 120
tatttagcta ttcgataaat aaatttttag taacttttaa tatttttaca caccattnga 180
agcaatatta tctagaatat taatatttaa aatctaactg tctatattga tatatcttta 240
ttatcaatat atttattcat atgctttgat atctctttaa aaaaaatcat gatatcattt 300
cttgtatcat tgcataaatc ttaactatct taataattaa t 341

<210> 14356
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14356

tgcagctgca gcttacaaca gattttgttt gaccctcttt cctacaatta aaataactct 60
ttttcctctc aagtgtttcc ctctctttct cactctcaag tgttgtgctc accttttctt 120
tatctctttt ctcttgaaga agattctctc tcattttctt ttgatcctca cacacttcta 180
gtggaactcaa tggcttgagc acaatctctt tgtcttgctg catgaaagag atcttggtgg 240
tgtaaccgtc atgattgact cttttatcaa atggccatgg tctcccaaaa agtaagtgc 300
tggcctcata ggaacaacat cacanagtac cttatcattg tattcccaat ggaaacgtcc 360
acttacactg ctgcctcac 379

<210> 14357

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14357

agcttcattg gttccctctt atcatagttt cttacagggg tctctnttc attagccatt 60
tttggcagga tatatttcca ttaagcggca ctgtcctacg catgagctca gcttaccatc 120
cgcagactga tggccaaact gaggtgctca atcgcgtgat tgagcagtag ctgcgtgcgt 180
ttgtccacgg cagaccaaag aattggggaa gattcatccc ttgnntagag tggtcgcata 240
actcgtcctg gtctgtgtgg tccgggtcta caccgtatga gattacatat ggacgganac 300
cttttacatt ttctgactac ctcttngca catcgagact tgacgcggtg g 351

<210> 14358

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14358

ataaacttca gatttcagag ctcttttaga gcacannaat tgggtgctct ctcttctct 60
cccttcattc atctccttct tctccaagt tcttatccat ggctcctat ggtggtgagc 120
ttcttctaga ctcatctttt cttgaagtg gcctctctc tctctcttcc ttctcgattt 180
ctatgccatt catattccaa gaagcaaagg aatccattga tgaagaagat cctaggccta 240

caagctccaa tggagcttac atcatgtggt atcaagagca tcttcatcta ggtgatgctc 300
 ttttgcctcc tctatctttt tgttcgggtga attatcttta attccttgct cttcatctta 360
 ttctccatgt atatctcca ttgtcttggt gtttgggtgct atttagagta aattataaaa 420
 aataaaccga ttaaacttta gatctacact tgttctngca tttctat 467

<210> 14359
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 14359

tcagcttctg acctgaacaa cacatcctca atcaattcat atggttttgt gacagagcga 60
 tcaaccaact ggagggtcat gcatgtgggc attatctcta tctctccaag tcgtcgacac 120
 atggagagag gcattaaatt gatactagct cccaagtcta tgagagcttt acccacaaca 180
 acctcaccaa tagaacacga tatactgaca cttccaggat ctttgtgctt cgggggaagg 240
 atgcgttgaa tgaccacact atagttacct tccacaacta ttgtgtcact gtggatatac 300
 cggttattct ttgtcagcat gtcttttaaa aatttggcat agagtggcat ctgttgaga 360
 gcttctccaa aaggcaaagt gatcttcac ttc 393

<210> 14360
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14360

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 ccaactggag ggtcatgcat gtgggcatta tctctatctc tccaagtcgc cgacacatgg 120
 agagaggcat taaattgata ctagctccca agtctatgag agctttaccc acaacaacct 180
 caccaataga acacgatata ctgacacatt caggatcttt gtgcttcngg ggaaggatgc 240
 gatgaatgac cacactatag ataccttcca caactattgt gtcactgcgg atataccggt 300
 tattctgtgt caacat 316

<210> 14361
 <211> 267

<212> DNA
 <213> Glycine max
 <400> 14361

tgactgctgg agtcgctgca ctagatgtcc aacgttatgc taacgaatag atcgggctgc 60
 acacatgcac aaggcataga tacagtgtca tgtgaagaat tgatgctgca cgattcacga 120
 tctcggatac cctcgggagg acatcatgcc ccaaatactg gacatataaa tcgtgtgtat 180
 ttgtaacaga tcattgcgca attagcacca gattagatga tctatctgta cgaacgaatt 240
 acatgatagt tgacgtgtga agtacaa 267

<210> 14362
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14362

ctctcgtact taagaggtat tttatatagt cattgaaaat tgtgatgttg gtnttatgga 60
 acaacaatct aattaggaga tagagaaaaa gatatagacc attaaactgca gttattctaa 120
 aaaaaatacc tctatagtga tcgggattgt agttgttcta aaattaagta ttattctata 180
 ttgatacttt agatgtttaa tattaattta aaaatataaa atgttttaaaa attctacatt 240
 attgttctat aattgtttaga agataaaact aatttattta aataaatttc acagtcaaatt 300
 tttcttgaaa tgttcctcga tatataaatg tctaataaat aaaccaata caacaatcaa 360
 ctgcagagaa cccaacaat g 381

<210> 14363
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 14363

tctccacttg taactggggc ctaaattata tagcatgggt tacacttggt gaagagcttc 60
 cttggccttc tttgttctag ccttggccat aggtcctcca agtccttata aagggtcctt 120
 gtcttgctct catcactctc cccctcttca aaaggatttg tctcctaaatc ggcttctcca 180
 tatacatcaa aaagagttaa gtcagacaca ctaaattattg tactcacatt atactcaccg 240

ggcaattcaa tcttgtacgc attgccatctt atcctttcaa gtacttgaaa tggaccatcc 300
 cctcttgggtt gaagccttga ttacctttgc tccggaaacc tctcctttct catgtgaacc 360
 caaaaccaat ctttgggttg gaaaacaacc attttgcgcc ctttgttgca tgtagcata 420
 ctct 424

<210> 14364
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 14364

ttcttcttta tatcatcaat tcttcatgat ctacaagaag gtccacctgc atgaaatctt 60
 ctgctaggaa gctctctctt ttgtgcgact atgtcactct ctttctcacg tgtagaagca 120
 agcttgacag gttcaggtgc aggtgctgct actagtggag gcacttgaat ctggttggca 180
 gaccttaagg tgatggcact cacattcttt ggattctgca tagcttgtga aggcaattcg 240
 tcagaatatt gggactgagc ttgattcaac tgagtagcca tctgccccat ctgatatgtc 300
 acactctaaa tggaagctct tgtctcttgc tgaaattgca tattctggat ggtcatatgc 360
 ctactaact ct 372

<210> 14365
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 14365

tgcaagctga tgattacatc tcccccttc tattcttatt cttcttgata tcatcaaat 60
 cttcatgac cgcactcggt ggtggaggat gcatgaatga caatcaattc atggggctcc 120
 gaataaaagt ggagaatgga ggataggcga agagcgctac gcaatcaatt cgcgggtctc 180
 ccgactcggt ggtggaggat gaatgagtga cattcatctc atggggctcc gaataatagt 240
 ggagaatgca cgataagaga atatcgctaa agcgtcaatt cgcggggctg catactcgac 300
 tgtgggaaga agcaaaaatg acaatgatct catatggcta ctaataaaag tggatcaatgg 360
 agaataggcg aggagcgct 379

<210> 14366

<211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14366

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ttctcgggtgg gttgatgcac tctatcatgt aaaatagcat attgattgtt atacatattt 60
tcaatcaact cagtntcctc ctccaggggtc ttcagcttta tctttcctct tgctgaagca 120
tctaacaact gtttggtttg tgggtctcagc ccctctataa acatgttcaa ttgaattggc 180
tcagaggatc catgtgtggg agtctttctc aacataccct agaacctctc caatgcttca 240
ctcaaggatt catcagggaa ctggtgaaat gatgaaatag cagctctccc ttctgcagtc 300
tttgactcgg ggaagtatct cttcataaat ttataaccaa cttcctccca cgtcttcaga 360
ctgttacctt tgaatgaata gagccatttc tttgcttctc ctgccaaaga aaatgagaat 420
acattgagcc taatggcttc atctggcatt actgctatct tcacagtgtt acaaatttct 480
atgtaca 487

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<210> 14367
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14367

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agctntatcg tcaccaaaga ttggtatttt attcttcatt tacaaaagtc ttgttatgct 60
ctttcaagac cctattcttc gatatttttg ggttactttc cttgactaaa gcttcgtgac 120
gaactatgta cgacataact tcattactgt tattcagtat atacaaatga gcttggtgca 180
attctttctag acttgagtg ataacagata gtccccttga acccttacct ctcactctct 240
cgttatgcca agacttcgga accccaatag gtattttctt ttccatgtac tcggaacaaa 300
actcaatagc ttcttccgca atgtaccttt caacaataga tgcttcaaga cagtgtagat 360
tctttgtgta tccttttaag atcttcatgt atcgttcaac taggtacatc catcgcaa 420
aaacacgacc acaacattta atttcctc 449

```

<210> 14368
 <211> 333
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14368

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tatcgagacg ctcgaaattg aatggtgaag ctctgagcca attcaagcga caatatcctt 120
ttactcggat gtctgactga gctccgtaat ataacgagac gctcgaaatt gattgtcgaa 180
cctctgtaca aattcaaacg acaataactt tttgctggga tgtctgattg agtcctgtca 240
tatctcgaga cgctcgaaat tgtatgttga agctctgtac caattcaaac aacactaact 300
tgctactcgg atgtcagatt gagatccgtc ata 333

<210> 14369

<211> 367

<212> DNA

<213> Glycine max

<400> 14369

agcttcccaa gttttaagtt attcctcttt tctgtcctaa gcaaagttcc aaaagtccta 60
ttaacaactt ccgtttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 120
gtgcccact tgctccacaa agtcctccaa aaatgcaa atcaagcct aggtatagga 180
tgccctatatt taatggtgat gttattaagg gctctacaat cagaacacat gcgccatgtc 240
ccatcctttt tagggaccaa aatcactggg acagcacaag gactcatact atctcttacc 300
caacctttgc taatgagttc atccacttgt ctttgaatct ctttggtttc ttgtgaatta 360
cttctat 367

<210> 14370

<211> 415

<212> DNA

<213> Glycine max

<400> 14370

gaactacaat ggaaccacca ttatatttcg ccaagaacac acatcctgag tggaaccagg 60
ttttcgctt ctgaaggac cggcttcagg cctctatgct ggagggttaat gtgatagata 120
aggatgttct gaaggatgac ctcatcggcc ggggtgtggtt tgacctgaat gagatcccga 180
aaagggtacc tccggatagc cctctggctc ctcaagtgtg tagattggag gataggaata 240

gcgacaaagc gaagggggag ctgatgctgg ctgtttggat gggtagacag gctgatgatg 300
 cttttcccga agcttggcac tctgatgctg cgatgggttag tgggagtgat gctcttgcca 360
 acattagatc gaaagtttat ctgtctccca cgctttggta tttgaggggt aatgt 415

<210> 14371
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14371

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 atgagactct actaatgttt gaattcaaact ccaacaagtt tgatccttca ctatttggtt 120
 attttaaggc ttcattccata atctacattc cgggtatatgt tgatgacatc ataaaaacat 180
 gaaatgatat tcctttatta catcaactca tttctaagct aaatatagta ttttctctca 240
 aagatcttgg atcctcagat tatttcttgg gaatgaaagt aaagcatcta tctgatgggt 300
 ccattgcttt aacttacacc aaatatatta gagacttaat gggcaaaacc aacatgttag 360
 atgtcaaacc tatatcttcc ncaatggtaa ctggctataa gctcaactag aagtggctca 420
 atccctttgt tttatcccta tatgtat 447

<210> 14372
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14372

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 aataagaata attatccttg atccattcaa ctaaccatgt gcaacaaagt aaataactac 120
 attacggcat aatacaaaga aattattatg aatttattta ttaacaaatg ttcacaatat 180
 ctctcaaaca tatgcaacta tactacttgt taaataaaaa ttatatcagt cctctatttg 240
 atttacatat actatagaga caagaatcat ggtaacaat ttttttccag cattataaac 300
 aatcaaaggt atgttcaatc aataattaaa tcatagtcaa caacacatga caagctttgc 360
 acaatagaaa aactac 377

<210> 14373
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 14373

agcttgtctc tcagatagta caatcttgct ctcttgacct tacgggtgct taccactctg 60
 atttctttga tggttggtga gtaactgtaa cagtaaatat aagcatcata taagaaaact 120
 agctcacaag aaaaatctgg taaagactac atatgaaaaa ttagcttggc cttaaaccatc 180
 aattggtaat ttaataaagt gaactgctgg gtaatttctt gaataaataa attcagatct 240
 tcaaaatgat aatttcataa acttttacta tacaacatat agacttaaga caaacattga 300
 gcataaaact atagaagcat ggcaaatgtt catctgcaac caacaggaat gtaggtcaca 360
 cattgaaaca gatatgttta tctcaatctc atactccatt ctte 404

<210> 14374
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14374

agctngcatc cnncattttc cttattcctt caagctataa caataaaaagt attatcaata 60
 ccatcaaatt aaaccaataa ttaattaaaa tggtcacatt aattatatgt catgccatgt 120
 tgtcaacaat actgctgat aattaaaatc aaaataaata caaaactcat ggtttttaac 180
 tattagtatg attatgacgg ttagaaataa tctaagttct acatcgatta aaaataattt 240
 caaattagaa tatataagtg agggaaaccc tcactccttg aactaacttt tgaaattgag 300
 ttagactttt cacattattt attctaagaa tatattagag tatattatca tatcttctaa 360
 ccatgactat t 371

<210> 14375
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 14375

agcttcagta aataggcatt actcatatac tctttcagga caatatcgcg attcaggtgc 60
 agcatacact ggtaaattta caagttcagg aatctttggg tctctcaaac gaagatgagg 120
 aggttgatca tgttcatgat ttgtgttget cctgcgatgg aactaaatat aaatgcctat 180
 cgagaaagaa aatgaactgc aaactatata tgttgacaaa atagtcagta atttctgtca 240
 ttatttatca aaaccataaa cagagaggct gacacaaatt attactacat aaatcagtga 300
 acattggctg tatttttcat tcacaataaa tgggcataaa tcaaactgca ttcttatata 360
 atataagcgt ggttcttaca cagcgaaatt tttcatattg cacattgagt ttac 414

<210> 14376
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14376

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 ctcttttgca cccaacattt aacttcctcc attacatgcc gtagataaat ataacaaaat 120
 tcaatcttag tcttactcac ttatcacatg acataataaa atattggagc atatattcga 180
 ctacctaaca agttgcctat tttatatgat agtattgttt ttctaccaat agaaaagatc 240
 tacgtattat gttaagtaat ttcaaattat gtcttattta taattaaaaa aatttatttc 300
 ttgtctctat caaaataatt gaacttaaatt cttaattgaa acataagtaa gtgataataa 360
 acagtataaa actgtgtgtc ttgaaaagt ctctaanatt aaatcattaa agtaacatgt 420
 gtatgagttg gctttatacc g 441

<210> 14377
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14377

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 tgctgagtct gcttccttca atcgactttt tgtggagcgg gcatacaagt atcgccctgt 120
 taatgtggtg gaatttgaac ttccgcggca gcagtgtgtg gtttacttgg atctgaagcg 180

ggaggagtgc accaatttgt tcccatctgg ccgagtatat tcacaggcat tccatttacg 240
 tggacaaggg tttttcttat cagcacattg caacatggac caacagagct ctttccattg 300
 ctttggcctg ttcttaggaa tgcaggaaaa gggctcagtt agctatgccg ctgactatga 360
 gnttgctgct aggtcaacgc caacagagga atttgttatc aagcacaaag gcaattatgt 420
 attcac 426

<210> 14378
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14378

agctntcact cgcattgccg attcaggcgt tttctgttcg agacgctaga natctaacaa 60
 aggaagctct cgagaaattc aaatgggtcat aacttttcac tcgcatgtgc gattcaagcg 120
 cataacatat cgagacgctc gaaattgaac aacgggattt ttcgagaaat tcagatggtc 180
 gtaacttttc actcgcatgt gctattcagc acattgagta ttgagaccct tgaaattgga 240
 ccaagg 246

<210> 14379
 <211> 444
 <212> DNA
 <213> Glycine max
 <400> 14379

atcctctgag tcacctgccg catgcaagct tcaagaatta tggcctcatc aaactacttg 60
 tttcctgagg gaaattctat aaatagacct cccatcttta atggagtggg ttatcactac 120
 tggaaacccc gcatgcaaatt ctttataaaag gcaatagatt taaatattta ggaagccata 180
 gaacaaggac cttatgttcc ccatataata gccggaagtg caacaataga aaaacctata 240
 gcagattgga ctgaggaaga aagaagatta gtacaatata atttaaaggc caaaaatatt 300
 attacatctg ccttaggaat agatgaatac tttagggttt caaattgtaa aagtgctaag 360
 gatatgtggg atacactaca agtaacacat gaaggcacia cagatgttaa aagatctacg 420
 ataaacactc taactcgtga atat 444

<210> 14380
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14380

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 ttggattgat gaatataacc ttcattttta cttcgtaact tatacgaatt taagtataat 120
 aatatcacat gaatccaaga caaaaaataa gaactttctg gagacttaca cttccaaat 180
 ctcaaataa aacaaatgaa taaatttcat atattaaaat cttatttaat aagatgatct 240
 taaaaataat tttcatttaa taagatcaat tgttttatat ttaatatcaa gcttaaataa 300
 aaattaatta aaacattata aataactcaa ttttaataaaa ttaactaatt tctttaataa 360
 atataaataa tgggtgttta taatcgagat gtagctaata tcttaaaaaa catatgagag 420
 tcatttgagt ttctcataat gtttggataa gaattaatta atatgacaat 470

<210> 14381
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 14381

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 taatgactat agcatcattt ctggcgctaa actgctgtga gttggaagcc atcttctcaa 120
 ttaaatttct ggcttcagca ggagtcattg ctgcaagggc tccaccactg gtagcatcta 180
 tcatacttct ctccatatta ctgagacctt tctaaaagta ttggagaaga agctgctcta 240
 aaatctgatg gtgagggcaa ctggcacata tgtttttaa tctcttccag tactcataca 300
 ggctctctcc actgagttgt ctaataacctg agatatacctt cttgatggct gtggtcctag 360
 aagcagggaa atattttcta agaatactct cttta 394

<210> 14382
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14382

gcgcacaaga taaaaaggtg tgggtatata cctctctata gttngaactc cttagatgga 60
 tgcccattca ccaagactga gaatgtaatt gtagagacac acctcanaat caaatccacc 120
 taatgagttg ggatacccaa ttgttctaga actctctca agatgatcca ttctaccctg 180
 ccataggctn tagacatgta taacttgaaa gccattgaac atttctctcc catgatcttt 240
 ttcttcatat aataaaagca ctcaaagcc accaaagcat tattagtaat caatctatca 300
 ggcacaaaag cgttctatgt ttctcgccca atatgtggaa ggatgatctt caatttatatt 360
 gccatagtct tagtcaccaa ttagaagacc acattacata gactaattga catcaactca 420
 ctagcatgtg tgagaatttt cacctttgga atcaagggaa tccaagtctt a 471

<210> 14383
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14383

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 tgttgcttga aatagtctga tctatgtttc cttttgctgt gatctactcg atcctgagga 120
 tgtttttctt gatcaatagg tggcacaaaag attgaagcaa caaggctact cttctgggtg 180
 ctctgttggt gatacaatcc cttatantaa ttgctatgag caggtttgctc atttagtcac 240
 tctcccaatc aaaggccaaa tagtgcaact ntgggaaatt ntttgcacg agtatttggt 300
 gtatatgtnt gtctcaattg tatttttaat attatgttct gctntgatta ggggtggtagt 360
 ccaggcagtg cagctggcat tgctcaacgt gccagacatc ctgatgaact taaacgagat 420
 caagggacct ggctgatnga cattgattac tatntatcac aacaggtctt tatattt 477

<210> 14384
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14384

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 cctcctagtg aanaattatg accatttgaa tttctcgaga gctttcggtg ttcaatttcg 120

agcatctcta tatgtgatgc acctgcatca gacctccgag tgaaaagtta tgagcaattg 180
aatctctcaa gatcttccaa tgttcaattt caagcatctc gatataattat gcgcctgaat 240
cggac 245

<210> 14385
<211> 309
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14385

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cttgagattg tccactctct gtgtaaaact cctttttacaa agtctgaacc acacacggac 120
gacccttgcc ttgcgttcga gaatcctcta caacaagaga ctctcagtct cttaatgcct 180
tttgagaagt aagaagatga gaagaagacc tctctcttat nagggataga ttgtcaatga 240
agaccaatca naattcctta ttgaatgtgc aagtgggtga ccaaggaatc ttattgagag 300
gataagaca 309

<210> 14386
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14386

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aacaattatg acctctccag caacaaatac aaccttggat ggaggaatca ccctaacctc 120
agatgggtcca gccctcagca acaaccacag cagcctgctc cttccttcca aaatgctgct 180
agcccaagca gaccatacat tctccacca atcgaacaac agcaacaacc ccagaaacag 240
ccaacagttg agggccctcc acaaccttcc cttgaagaac ttgtgaggaa aatgactatg 300
cagaacatgc agtttcagca ag 322

<210> 14387
<211> 362
<212> DNA
<213> Glycine max

<400> 14387

atctggaaac tgatgagatg aagaaattct attcttgtct tatgccgcct tggatgtcgg 60
aaagtatttc tgcaagaatt tctccataac ctcttcccat tttcttaggc tatttccctt 120
gaacaagtga agccatctat taacttcact ggcaaggga aaggagaata tgttgaggcg 180
aatagcacct tcaagaacac caactatctt gacttatcta catatctcta tgttaagggc 240
caagtgggtg taaggatctt tatatggcaa tccttataat aggtagctct gtattatcta 300
tattagagaa tgtgggtaac agaatgttgc aacattgtac ctctagccac acaatacttg 360
tg 362

<210> 14388

<211> 374

<212> DNA

<213> Glycine max

<400> 14388

cgcttcatct cggcttacta actcggcagc cttttctgca ccttagtatc tccttgcgta 60
ggaagaatta tggcgggagg atctctaccg taaactacct gaacaggtgt aattccgata 120
catacatggg aggaagtatt ataccataat tcagcccaag acaccaata cgaccagttt 180
ttgggctgct cctatgcgaa acaacgcaca taagcctcat gagatctatg caccacgttg 240
gtttgaccat ccatttccgg gtgaaaagag gaactcatct tcaaggttgc tccttgtagc 300
cgagatagct ccttgcaaaa catactaata tataggatct aggacactag caatggagtg 360
tggcactcca tgta 374

<210> 14389

<211> 298

<212> DNA

<213> Glycine max

<400> 14389

aacataagca cttatactat ttatgaaagc tggagttgct gcacatgatg tccaacgta 60
tgtcaaagaa taagatcggg ctgcacaatg cacaaggcaa gataaagtgt caaatgaaga 120
attgaagctg caggattcac gatgtcggat acaatgtcca ggacatcctg cctgaaaata 180
ctggaattgc taatagcatt gaagctgcag gatccacgat gtcggatata atgtccagga 240

catcctgccc gaaaatactg gagttgctaa aagcattgaa gttgcaggat ccacgatg 298

<210> 14390
<211> 244
<212> DNA
<213> Glycine max

<400> 14390

gatgcatggg agatcctgaa aatcactcat gaaggaacct ccatagtga tatgtccaga 60
ttgcaactgt tggccacaaa attcgaaaat ctgaagatga acgaggaaga atgcattcat 120
gacttcacac tgaacattct tgaaattgcc aatgcttgca ctgccttggt agagaagatg 180
acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatt tacatgaaag 240
tact 244

<210> 14391
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14391

catgcaagct tcactcgggt ctactaactc ggcagccata acttcaactc ttgtttcttc 60
ttgtgtaaaa tgaattatgg tgggagggttn tctaccgtaa actacctcan aagggtgtagt 120
tccaatagat acatggtagg aagtattata ccataattca gcccaagaca cccaatacga 180
ccagtttttg ggctgctccg atgcaaaaaca acgcanataa gcctcaagac atctattcac 240
cacttcgggt tgaccatcca tttccgggtg aaaagaggaa ctcatcttca aagttgttcc 300
ttgtagccga aatagctcct tccaaaacat actanaatag aggatctagg tcactaacaa 360
tggattgtgg cactccatgt aaccagacaa tctctntggt aaacacctcg gctattttct 420
tggctgtata aggggtgctng aggggtatga agtgtccata ctttgataat ctgtccacaa 480
caac 484

<210> 14392
<211> 279
<212> DNA
<213> Glycine max

<400> 14392

atctccttct tcaactacatc aataatcacc ttgtttatgt cttctctggg ctgtcttact 60
ggtttagctc catcttctaa atatattcga tgcatacatg tggatgggct aataccacga 120
atgtccgcca ggggtccagcc tatagccttc ttatgcttct tgagaactga caacaacttc 180
ttctcttgct caatcagcag gggaggcag tataatcact ggagaactct tgctatcatc 240
caagtaagcg tattttaaat ttgatggcag aagcttcaa 279

<210> 14393

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14393

agcttcagaa agaaaatttg gcactacaga ctgataanag agttgtaagg agcttgtatg 60
anaattccta tgaaaagcac tgggaaattg aagaccagat tacacaaatg cagaanaggg 120
tttgagctt gcaagatgag tttggaatta atacattcat agaagataac gatgcaegag 180
ctctgatggc tgcaacagct ctgaagtcac gcaaagagac cctggctaag ttgcaagagg 240
cacaggcaca atcatctgaa gaggctaaag aatcatacca aatgggtaag gaagctcaca 300
gcaagtttga aacccttaga gacctattca ttntctaaca taagagtc 348

<210> 14394

<211> 255

<212> DNA

<213> Glycine max

<400> 14394

gctggagatg gccactcta tctgagagac tctgttaca cagactgaac cagactggga 60
cacccttcc ctggtgtaca ataactctat acaccaagat ggctgtgaga ctctcagtc 120
cttgccagaa gcttgcatac gagatgaaga tttctctctt aattgggatt gatggaacat 180
tgaagaccag atcaaaaagtc cttattgaat gcgcaagtgc gagagcaatg tgtctttgtg 240
agaggataag acatt 255

<210> 14395

<211> 351

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14395

ttggagtttc cagtgccaat tcgtcttctt ctttagtcct gtcttcttct ggcttcaatc 60
catcagtggg ctttcttctt gagtcacga tcttgggatg ttcccagcct ttgatgacag 120
ctttccaggt tctgctatcc agtgatttga ggaaagccac catccttgct ttccagtatt 180
catagttggn tccatccaga attggtgggc tgttcaactgg tcttcttctt ttctccatgt 240
tcatcagaat ttatctccct aggtctcact cagtgatttc gagtgccgcg tctgatacca 300
attgaaattc tgataccaat gccagatgac gtacaggatg tcacgacatc a 351

<210> 14396
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14396

cctcatggac tcttctaang acaatagcat catttcttac actgaattgt tgggagttgg 60
aagccatctt ctcaatcaaa ttcctagcct cagcaggggt catatcacca agagctccac 120
cactggcagc atcaattata ctctctcca tgcctgtaag tccctcatag aaatattgaa 180
gaaggagttg ctcaaaaac tagtggtgag ggcagcttgc acacaatttc ttgaatcttt 240
ccaatactc atacaatctt tctccactaa gttgcctgat gcctgaaatg tcttttctga 300
tggcaatggt cctagatgca gggaagaatt ccncaagaac accctctt 348

<210> 14397
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14397

tacgccagtc ctattcaac ccacttgaga ttctccactc tctgtgtaaa actccttnta 60
caaagtctga accacacagg gacaaccctt cccttggtgt caagaatcct ctacaacaag 120
agactctcag tctcttaatc ccttttcaga agtaagaaga agagaagaag aaatctctct 180

taaaagggat agattgtaca atgaagacca atcaaaattc cttattgaat gtgcaagtgg 240
 ttgaccaagg aatctttntg agaggataag acatttcagt tcagatnaac tctgggactt 300
 tcgagaggat aaaac 315

<210> 14398
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14398

atgaatcana natctgcacc tgttgccaga ctctgtggtt tatgctcctc tgccaaccac 60
 cacacagacc tttgcccttc tgtgcaacaa tctgaagcaa tcgaacagcc tgaagcttat 120
 gctgcaaaca tctacaacag acctcctcaa cctcagcagc aaaatcagcc acaacagaat 180
 aattatgacc tttccagcaa caggtacaat cccgggtgga ggaaccatcc caaccttaga 240
 tggtcgaatc attcacagca gcagcaacaa caacaacaac cttatttttaa aatactgcgg 300
 gcccaacaga catatgttcc tcatcatcca cagcaacaca gcacaaccta gaacagaaac 360
 agt 363

<210> 14399
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14399

agctttgcgc acaagatata tttgtatggg tatatacctc tctatagttt gaactcctta 60
 gatggatgcc cattcaccaa gactgagaat gtaattgtag agacacacct canaatcaaa 120
 tccacctaat gagttgggat acccaattgt tctagaactc tctcaagat gatccattct 180
 accctgceat aggctttaga catgtataac ttgaaagcca ttgaacattt cctccccatg 240
 atctttttct tcatataata aaagcactca aatgccacca aagcattatt agtaatcaat 300
 ctatcaggca caaaagcgtt ctatgtttct cgccaatat gtggaaggat gatcttcaat 360
 ttatttgcca tagtcttagt caccaattag aagaccacat tacatagact annatgacat 420
 cactcact 428

<210> 14400
 <211> 456
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14400

gaacaccctc agatagaggg agatattgct agtgtaaaag atataatatt ggtaattaat 60
 taaaatntat nataaaaata tgactttaat taaacgttaa aaacatttac aatatcacia 120
 gtgtctctct ctacctattg aatcatatat taatactntt atcgtaccca catagttgtc 180
 actcgtatag ctgaattttg catataaaan aaaattgaac gataattttt actttaaata 240
 catcatttta gtacatatga atgcaatgag annntatagt attatacgaa tcctatcata 300
 tatgataatt ataattgaat aacaatgtaa atttgtttat atcatcttct tttggttgat 360
 gaataattat tatatatcaa tacataaaat attaccctaa ttaaataaat actattctgt 420
 cacatattat atatatatat ataatatatt atatta 456

<210> 14401
 <211> 368
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14401

gctgggtaat gtgaatgata gtatcaagat tgtttgcctg tcatgataat gtcgtcaaca 60
 tatacgagaa taactgtgag atcatgagaa tggttagtgt ataagaaaag tgagtgatca 120
 gcagaggatt gatgaaagcc ttgagaaaga aagaatgacg agagtcgtgt gaaccattg 180
 cgactcgctt gggttaggcc atataacgaa cactgaagac ggcagactag attgggatng 240
 tccacaatta aacctggagg aagcttcata tatacctctt cgtggaagtc cccatgaaga 300
 aaggcgttat tgacatcgag ttgtcgaaga tgccagttac ggagagcagc gagagcaagg 360
 agtaacct 368

<210> 14402
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14402

catgcaaccc ttaaaacacc cattccccta tctcatactg cagatctctt cttttcttgt 60
ctgcatactn natcatctga tgctgagccc gtaacaaatg acttttaagc tgattcaaag 120
cttcatccct ttcagttaac tctaaggcta cagcagccac tntagtctca ttacttaaaa 180
acctcaacaa actgggtggg tgtctgccat acactacctc aaaaggtggt ttccctatgg 240
aaacatggaa agtagtggtta taccaatatt ctgccacgg gatccagtat gaccaagtct 300
tgtgctgctc agatgcaaag cacctcaagt aacctcttaa gcatctattc agtacctcag 360
tttgcccatc agtttctggg tgggaggcag aactcatctt caactcggta ccctgtaact 420
cgaacagttc catccagaaa tggcttacia a 451

<210> 14403
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14403

agctngccaa cccatggaag ctccataat ctcccacact ntatgggggtg ggccattctt 60
ggatggactt gattttctca ggggtccactt ggacccatt tctaccaact acaaactcta 120
agaaaactat attatctaca caaaaagtac acttctctat atttgcatag aggggtgttt 180
tcctaaggac tgaaagaact tgcttgagat gtccctaagt atcatctacg ctctactgt 240
acactaaaat atcatcaaaa tagacaacta caaatccacc tatgaaatcc cttagacat 300
gatgcataag cctcataaag gtcttggtgc attagtgagc ccaaaggca tcactagcca 360
ttcatacaaa ccaaacttgg tcttgaaagc ggggttccac tcat 404

<210> 14404
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14404

gcttggtnga catccaaact tatcttggtta gttttatttg atcaaaataa ggatgaattt 60
gtttaaactt aaaaaataa cntaaaaata aatatttttt acataagtgt ttttttaaaa 120

catagataag attttttttca acaaataagt gtaaacaat taatcctaatt tttgttttgt 180
 actcaagttt aatttagtaa cttaattttcc ataagttact tgaagtagct tatgacacac 240
 aaattagatt ataagctact agttnnttttc ttcttcctca atttattctt attattttat 300
 ttgaaatttt attntatcct tntattcaat ntaaaaatcc tcttatcttt tatgttcatt 360
 atggnagaaaa ccctygtatc anatittcat agtcatgtaa gtgagagaca tacacatcta 420
 agttcttaat ttacaaataa naaatgaatg gttaagaaaa aatataaaga ataaaca 477

<210> 14405
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 14405

atagctggca tatagtaaag aaagatctta ttgctgcagc gaatgatatt ttcgagagag 60
 gatcttttatt agaggattct aatactactc ttgagactct cattcctata tctattactg 120
 ctaagactgt caaggattac aagcctattg cagtttgctc tactttttat aaagtgatct 180
 aaaattttttt gactatgagg ctagggatag tgatacagga tattgttcat actagccaag 240
 caactttttgt tcccgggtcaa gtcattcaca atcatattct tcttgcaact gagtagatg 299

<210> 14406
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 14406

tgctgctgag atgctttttgt tcttacaatc attgggatct agagcaatct tttctattac 60
 caattctcta tgtaccatct gtaacaatta cggacgtata atgctgccac ttaacatgtc 120
 atctgatgat ggaccacatt acgtaaatgc taagcagtac catggaatca ttatacgtcg 180
 gcagtccecat gccaaagctg tacttgatca caaattgact aaacgctgca aggcattgatt 240
 cctcatatag gagtatctaa tatgtattct catcttttaa ctaacaaaca aaatgtggcc 300
 tcagcctcac t 311

<210> 14407
 <211> 475

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14407

agcttataag atattatggt ctttaattctn ttaagccaaa ccttngcaca ctttataaga 60
gattctctta acatataaaa gcttattgta aatcgtttct cttgacttcg tagatcttga 120
cttgaatcaa tgatgaatat ctctaattct ttggcatcat caatatctta atacagcata 180
tgcacttaca aattcaacac aaacttagaa cataatgtga taattattat gactaacaat 240
gactctaaga caacatgaat gaagtgattt acacttagaa ttttgtgttt tcttttctaa 300
tctatatttn gcaagaatat ttgactgac aacatgattc aagagtagat ctatattatn 360
ttgactgaat atctttatgt cttctaattt acaggtttag cacaagacta ttctgattga 420
anaatgatag aacctacaat caacatanna acatgattca agagtagatc tataa 475

<210> 14408
<211> 410
<212> DNA
<213> Glycine max
<400> 14408

tgtcgtggaa ataagcatat ttgctcgac tgtataccct gtatgatcag cacggcttcg 60
taataacttg tggagaaggg cctggatgt cgtgtcctgc aaacaagttt gctggaactg 120
ctccatgaag agtgtgtggg gcacaaataa aagtagaaga gaggaagtcg gaaccctata 180
caaggcgtct acgactacat tatgggcacc ggggtttatat tgtatagtgt agtcgtaacc 240
gagaagctta tccatgcagt gctgctgctc aggaagttga ataacctgag acatcaactc 300
ctttaagctc cgggtggtctg tcataatgac aaaggagtgc ccgagcagat agtggcgcca 360
tttacgtacc gcagtgggtga tagcatgtaa ttcgcggaca tatgtggatg 410

<210> 14409
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14409

actatagaaa ctaagctatc tanaagagtt cttcatcttc ttccagatgc aataatatta 60

atcttcctag gagcttctca cagaagaacc cttccattgg ccgcaaatgc accaaattag 120
ctaaggaaca gatagcaagg ttttacatca tgaggagggtg tgttgccatg ttggtttgct 180
ggcacaagca tggggattca tgaaagaagt gcacagatct tgtgcttagt tttattgggt 240
atgatccttt attgcccact ttgaatacta tagattcatt gtattacgag ttactaaggt 300
gagtataaga tttacacatt gctggaaata tgtatatgat caattggact ccagattaat 360
gtccccctcc tacgtctgat gttatctctt acacct 396

<210> 14410
<211> 258
<212> DNA
<213> Glycine max

<400> 14410
catgcaagct tctattttca attacgagcg tctcgatata ttttgagact atgtcagaca 60
tccgagtcaa aagttattgt cggttgactt ttcttagagc ttgcgttttc aatttcgagc 120
atctcgatat attacagggc tcaataggac atccgagtta aaagttattg tcgttggatt 180
tttctcagag cctcctgttt caattacgag cgtctcgata tcctatggga cacaatcgga 240
catccgattc aaaagtta 258

<210> 14411
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14411

agcttccatc actaccgggt cttgaaccga gccagtccta aagacaattn tcccctgcca 60
cgcattgata tattggtaga taatacaacc aagttcgccc ttttcttatt tatggatggt 120
ttctcgggggt ataatcaaat aaagatggca cccgaacatg tagagaagac cactttcgtc 180
accctatggg ggacgttctg ctataaagtg atggccttcg ggctgaaaaa tgctggggca 240
acctatcagc gtgtcatggt ggcgttggtc catgatatga tgcataagga aatagaggtc 300
tacgtagatg acatgattgc caaggctcga actgaggatg aacaccttgt caatct 356

<210> 14412

<211> 438
 <212> DNA
 <213> Glycine max

<400> 14412

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agcttcactg aattactttt tttttgaaga atatgcttcc tgtagataac acattaccca 60
aqaatcatta caagccgaag aadatattat gtctctgtgg tatggaatac tagaaaatac 120
atacatgcct taatgattgt aatttgtata gaaatcagtt tgccaaaatg cgtaactttc 180
ctacatgtgg ggtgtcacac tacaaagtga agtatgacga atgcagtgat acagcctgat 240
cgaggccgta cctgaatcaa ataaacatta aaatgcagta actatgaagt gtccttaggt 300
cgtttcccaa cgagcaatga taaactaaat gttcataaca gataatagga aaatagtaac 360
gaattggggg gggattgttt gcttttgtaa ataaacaacg aatagatgtg aattcaaaaa 420
tagcaaaaat aaaacacg                                     438

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<210> 14413
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14413

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tatatcgata cgctcganat aattatcgga gactctcgga atattcaa atgcataact 60
attcacacgg atgtccgatt caggcttata atatatcgac acgctcgata ttgaacatcg 120
gaaactctcg cgaaattcaa atggtcataa cttttcacac ggatatccga ctcaggcaca 180
taatatgtcg agacgctcga cattgaacaa cggaagctct ctagaaattc aaatggtcac 240
aacttttcac acggatgtcc gattcaggcg aattacatat cgag                                     284

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<210> 14414
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14414

```

agctatanag actaaagtag ttgatctccc actaatatat cttactntnt tccttcaaca 60
agactttttg tatactgatg tagctccatg tggagcttgt acgccttgaa tcttttcat 120

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caatgaagtc ttttgcttct tgaagatcaa tgacgatgga atggagaacg aataaagatg 180
attggagaca ccacttccag gagaatatga gtcaagaaca ngctcaccac catatgaagt 240
catgga 246

<210> 14415
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14415

ctctgnagtt ggggctctac agaatgctac tatcacacat ncagaaatta gtttctttgt 60
caacaaagtt tgccaattta tgagtcagcc aacagaacag cattgggtgg ctgtcaaaag 120
aatcctcatg tatctaaagg gcacatttct atttgggctg aaactggaac ccaatttttc 180
tacaaagcac tactttgttc atgccttttg tgatgctgaa tgggcttcag atcctgatga 240
tcgaaggctc acctcaagtg ttgctgtggt ctttaagccca aatcttgtct 290

<210> 14416
<211> 332
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14416

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tccaagggaa ttgtatcaga gacttgccaa gaattcaaaa gaatgattac cagtctgtgg 120
tttgaccttt atggccgtgg tggcatttct ggttctctt ctgcttttga acatgttttt 180
gttgagaaaa ccaacaatg gtgggtgaagt tctggctttc ataacatgct gcagctatga 240
cctcgtattt ttctttctgc ctgtttctaa ttatccattc acaattcatg ccaaatttaa 300
ggtgtattaa cttgttatat tcgaagtcgt at 332

<210> 14417
<211> 250
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14417

tccacttgga ccccatcttct accaactaca aaacctaaga aaactatatt atctacacca 60
aaggtacact tctctatatt tgcataaggagg gtatcttttcc taaggactga aagacttgct 120
tgagatgtcc taagtgatca tctangetcc tactatacac taaaatatca tcaaaataaa 180
caactacaaa tctacctatg aaatccctta agacatgatg cataagcctc ataaagggtgc 240
ttggtgcatt 250

<210> 14418
<211> 487
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14418

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cacagnggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
gaagatttcc agattgcaac tcttggtctac aaaattcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttgagatt gccaatgcct gcactgcctt 240
gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
atctgacatg aaagtcactg caatagagga ggcccaagac attngcaaca tgagagtaga 360
tgaactcatt ggttctcttc anacctttga gctaggactc tcggataggg ctgagaagaa 420
gagcaagaat ctggctttcg tgtccaatga tgaaggagaa gaagatgagt atgaacctga 480
tactgat 487

<210> 14419
<211> 360
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14419

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tagatgtttc agagtatcca agaaatgttc catcatcact ctatgaataa aattntccaa 120
gttatcttta gtgttaagaa tgaagcattt acacccaaag agatggaagt atgatatgtt 180
ggattttcgt ccttccata attcataagg agtcttcttc attatgtgtc ttatgtaaat 240

tttggtttga aataataggt tgtattcatt gtttcaaccc ataaatgggt aggagtagca 300

ttgtcattaa gcatggttct tgccatttct tgtaacgtca tgttctttct ctcaactaaa 360

<210> 14420

<211> 325

<212> DNA

<213> Glycine max

<400> 14420

agcttcaatt ctgaatctct agcgtctcaa tatactatgg acacaatcgg acatccgagt 60

aaaaagttat tgtcattaga tttttctcag agcttctatt ctgaatatcg aacgtctcga 120

tatacaacgg gtgacaatcg gacagctgag taaaatgtta ttgtcgattg attttgcta 180

aagcttcaat tctgaatttc gagcgtctcg atatcttatg ggacacaatc ggacatccga 240

gtaaaaagtt attgttgttt gaatctgctt agagctctcg ttctcaattt cgagcgtctc 300

gatatattac gagagtcaat cagac 325

<210> 14421

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14421

agcttgtaga acggatggac atgatatatg ttatgggtgtt gggctgggtc aaggataaaa 60

gggaatgtcc accattatct ccatgacaca aatgcaataa tgatgatttg gaaattttat 120

gcagaactag tcatgcatgc acctatgtgg acacaaatgt ccaccattat ttccatgagg 180

tattgtgcta cctaaacata tgtatatntt tgtgaggtat nttgctatat acatgcgtgt 240

ccaaggtatc ttgctaccta aacatacata tatatgtttt gtgagatatt nttgctatat 300

acatgcatat ccaaggtatc ttgctacctg aacatacaca tatatanttt gtgaggtatc 360

tttgctacat acatgcatat ccaaggtatc tttctaccta aacatacata tatatatcnt 420

gtgaagtatt ttttngttac atacatgcat atctaanggt atttcactac ctaaacatac 480

a 481

<210> 14422

<211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14422

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ttctctacaa ttgcatcacc tctcaatgag ctggtgaaga agaatgtggc atttacctgt 60
gatgaaaaac aagagcaagc ctctctttga tcttctcgaa ggctctctgg cagccactgt 120
tccacaggac cgctagttc ttacgtaata gcttaaaaaat gggttcacat gtaggggtga 180
gttgcgagat aaatctcgcg atataattca acctgcccaa aaataccga acctgcttct 240
ccgtgcgtgg ttctagcatt tcaaggatgg ccttcaactnt ctcgggatct atctctatcc 300
ctttctgact tacgataaat cctagcagct tccccgacct caccanag gtgcatttgg 360
ttgcgtttag ttttaattgg tatttccgca accttccaaa cagcttacgc agattgacaa 420
gggtgttcgtc ctcagtccga gacttggaaa tcatgtcatc tacgt 465

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<210> 14423
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14423

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ctaattcaca tggacttgat ggggcctatg caagttgaaa gccttggagg aaagaggtat 60
gcctatgttg ttgtggatga tttctccaga tttacctgag tcaactntat cagagagaaa 120
tcagacacct tcgaagtatt caaggagttg agtctaagac ttcaaagaga aaaagactgt 180
gtcatcaaga gaatcaggag tgaccatggc agagagtttg aaaacagcaa gtttactgaa 240
ttctgcacat ctgaaggcat cactcatgag ttctctgcag ccattacacc acaacaaaat 300
ggcatagttg aaaggaaaaa caggactttg cagagggctg tanggtcatg cttcatgcca 360
nagaacttnn cctatatctc ntggctgaag ccatgaacac agcatgctac atccacaaca 420
gagtcacact tag 433

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<210> 14424
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14424

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tatcttttta ctcggtatgc tgattgacgc ccgtaatata tcgagacgct cgacattgaa 120
tggtgaacct ctgaacgaat tcaaacgaca ataactnttt actcggtatgt ctgatagagg 180
ctcgatcatat atcgagacgc tcgaacatga atgttgatgc tctgagctaa ttcaaacgac 240
aataactttt tactcggtatg tctgattgag tcccgtcata tatcgagacg ctcgaaattg 300
aatgttgaag ctctgagcca attcacacga cacataactt ttactcggtat gtctga 356

<210> 14425
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14425

tatcaacatc aaacttggag aaagagttct tgggtgtcaag acatgagaag caatcaagta 60
taatgttact tccttcacta aagcggggat ccattctccac acatatttta tcaatagcaa 120
cataaaaaat ctctgcacgg gaatgatgaa gattagtgat agtcctccct tctgtctttg 180
aacgaccccg aactggtatt tcgtcatcca tatttggtac cagaatactt ttagcaacac 240
aaaatccttg gacatcggca aaaaaattat tccagccact ctctctcatt gtgccaacc 300
gagctntgac aacatcaact aattccatga cattcacaat attaagatct tttctttgca 360
atata 365

<210> 14426
<211> 283
<212> DNA
<213> Glycine max

<400> 14426

agatgagaaa caataaagtg tgggtgtttcg gacctctatc atttactaac aaggatcatt 60
tggataaggc tgaaaagagt aaaaggcttc aattgacttg ttccacctca agtggtggat 120
tgattgtcaa aagcccagga ctataatata tgcattgcctt ggaagcatat gtaatttaac 180
acaagaacag ttgatagaac ttggttttagc cttggaagca taaataaaaa acccttcatt 240

tgggttatca gggaagaaaa tcagttagaa gccctggaga aat

283

<210> 14427

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14427

ctatgctgca nacatttata atagaacccc ttcagtactc attccaacaa cagtagaata 60

attatgatct ttcaagcaac agatgcaatc caggttggag gaatcatcca aatctgagat 120

ggacaagtcc cccacaacaa caacagcctg tcccttcctt ccagaatgct gctgggtctaa 180

gcaagccata cattcctcct ccaatgcaac aacaacaaca gcaacaaaaa agacaacaag 240

caactaaggc tcatcctcaa ccttccttag aatagttagt gaggcagatg accatccaaa 300

acatgcaatt tcagcaagag acaagagcct ccattcagag tttggcaaat cagatggggc 360

agatggctac tcagttgaac caagctcagt cacaaaattc tgacaaattg ccttcacaaa 420

cagtgcagaa tctg 434

<210> 14428

<211> 166

<212> DNA

<213> Glycine max

<400> 14428

ccttagattt gaatcatagt gatgtatggg gtccagcccc aatcttgtct ccatctaatt 60

tcaagtacta cgttcacttt attgatgatt tcatcagatt cacttggatt tttcccttga 120

aacaaaaatc agaaacaata acggctttta ttcaattcaa aaacat 166

<210> 14429

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14429

caatacgagc gtctcgatgt actacgcgac tctttctaac atccgagtaa aaatttattg 60

tcgtttgaat ntgctcagag cttctgtttt caatttcgag cttctcgata ttttacggga 120

ctcaattggg tattggagtt aaaagttatt ggttggtgca ttgctacga gcttctattt 180
tcaatttcga gcgtctcgat atactttagg actcaatcgg acatcgagta aaaagttatt 240
atggtttgaa tttccaacga gcttccgtgt tgaattacga gggctctcgat atatcatggg 300
aatcaatcgg acattcgagt taaaatttat tgggtgttga attttctacg agcttccggt 360
ttcaattacg agcgtctcga tatactacgg cacttaatcg cacatactga gaaaaatata 420
ttaccgtttg aatttccac 439

<210> 14430
<211> 323
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14430

tcttgaagct ggaatgatat atgccatctc tgaaagtcca tggtttatcc ttgtgcaagt 60
agaccccaaa aaagggtgaa taacagtgat aaaaaaatg acaacaatta gttgattcct 120
acaaggatca tggccagccg gagaatgtgt attgattacc tccttcttaa caatgcaaca 180
aggaaatagc actttcctct tcccttcacg gatcaaagtc ttgagagggt agccagtcaa 240
gccttctatt gctatctata tggatactcg ggggtataatc aaattcttgt taagttaggg 300
gatctagaga aanaacactt cac 323

<210> 14431
<211> 487
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14431

ngccatttag taatgaaatc gaatgaatat agtaacttac ttattcccaa gaactgcatg 60
taaattgatg atgagttgct cttcttcctc agagaatttt cctcttttga tatcaggcct 120
caaatagtta gtccatctta gcctgcaact cttccacac ctgttcaacc ctgcatgttt 180
tggaagtgct ctccaactcc catgcccacg tttctgaata taatccacca atattctatc 240
ctcttctggg gtccaaggcc cttcttcaa accattttca tcaactgcatg gagttctccc 300
catcatcact cactgcataa acatgtaga aattaaatac ttctagtata ataagaatta 360

gttngattca nggtgcagca tgacaacaaa agagggcaaa agaaatcata ccttnggatt 420
gagtgtatga agtggagaat gaagatatat atatagactt agaagaatac tctgtggaag 480
ttgatat 487

<210> 14432
<211> 369
<212> DNA
<213> Glycine max

<400> 14432

tatatcgaga cgctcgaaat tgaatgggtga agctctgagc caattcaaac gaccataact 60
ttttactcgg atggctgatt gactctcgtc acacatcgag acgctcgaaa ttgaatgttg 120
aagctttgag cccattcaaa cgacaataac tttttactcg gacgtctgat tgagtcctgt 180
catatatcgg gacactcgaa attgaatggt gatgctgtga gccaatcaa acgacaataa 240
ctttttactc ggatgtcttg atgagtccta tcatatatcg agacgcctcg aatgaatgt 300
tgaatctctg agccaatcca aacgacaata actttttact cggatgtctg attgagtccc 360
gcatatatc 369

<210> 14433
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14433

atttctgata gagtgaatta cctcatgtga tgataatatt ttatccctac tatatatgta 60
ggggacaaaa atgcgttgag tanggctgat taatttcacc ataaccaatc ttaaccttga 120
agccaacacc ttagtaaaag ctttgtagga cacattgcat agattgatca gtttcaattg 180
agacaaaaca ctaacttcat caaccttagg aatgagagtg atcagaagtt tattaagaga 240
attaatgtca gcaggggtgcc taaacaaacc ttttataaga ctgcanagaa tagaaccac 300
caacttccat tgagtcgggt agaacaaagc cttgaaacca tcctctcttg gagctntgaa 360
aactctcgta ttgagataac attcttcacc tccccatcag tgattccact 410

<210> 14434
<211> 302

<212> DNA
<213> Glycine max

<400> 14434

gaactgcatg taaattgatg atgagttgct cttcttcctc agagaatttt cctcttttga 60
tatcaagcct caaatagtta gtccatctta gectgcaact tttccacac ctggtcaacc 120
ctgcatgttt tggaaqtgct ctccaactcc catgcccatg tttctgaata laatccacca 180
atattctatc ctcttctggg gtccaaggcc cttcttcaa accattttca tcaactgcatg 240
gagttcttcc catcatcact cactgcataa acatgttaga aattaaatac ttctagtata 300
at 302

<210> 14435
<211> 263
<212> DNA
<213> Glycine max

<400> 14435

cctcatcaaa agtaacctta attccatgcc taataagcac ctgctgcaa aaattctggt 60
aatataagca gcctcaacgc ttcacgaatg agcagagtta atgtcatcct tcgactcaag 120
caatggctcc tgcgaggtct cgtgaacaga gagcaaatca agctgcgacc catcgcgctt 180
atcgaagaag agcttattcc ccacacgctg aacgacaatg tcccacgaat aaacagacct 240
gtgagcacac atgagagtgg aga 263

<210> 14436
<211> 319
<212> DNA
<213> Glycine max

<400> 14436

taatatttga agagtatccc tgtggaacct tcacccgacg aagacactga caaaaactta 60
ttttttttt tttggacaaa atatggcaag ctgggggcaa gttaaattttc ttcccatcag 120
acattggatg caactgtgat cgtatgccca tatcaactag atcttgacgg gtattcaagc 180
catccttcgt cttgccttga atgttaagga gcgtcccaat cacactgtca taaacatttt 240
tctogacatg cataacatca atacaatgtc taacgtcaag atcagaccaa tacggaagat 300
caaagaaaat ggacctctt 319

<210> 14437
 <211> 179
 <212> DNA
 <213> Glycine max

<400> 14437

ggtcaatttc gagcctctcg acatattatg caccggaatc ggacatctgt gtgaaaagtc 60
 atgatcattt gaatttctcg agagattccg atgtttaatt tcgagcgtat cgatatatta 120
 taaccctgaa tcggacctca gtgtgaaaag gtatgaccat ttgaatttga cgagagctt 179

<210> 14438
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14438

cttacagcag ctttttatcc ctcttcatt cccacctaga gaaattccaa acaaaaagat 60
 ggaagaagcg gaaaaggaga tcttgagac cttcangaaa gtagaggatga acatacctct 120
 gctagatgcc atcaagcaaa ttccatgata tgccaagttt ctaaaggagt tgtgcaccca 180
 caaaaggaag ctcataggaa atgaaaggat tagcatgggc aaaaatgtgt cagcattgat 240
 aggtaaatat attcctcaca ttcttgagaa atttaaggac ccaggtactt tctgtatacc 300
 ttgcattatt gggaacaata aatttgagaa tgccatgcta gatctaggag catcagttag 360
 tggcat 366

<210> 14439
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14439

gtagatattt attttgactt ggctcacctt attattttga ccaacaagaa aactcagct 60
 tattaataatt gtgcatacta atatttggg acctttgat ggtagttctt tcagaaagga 120
 aggatacttt atcactatta ttgatgggta ttcacattac gggtatgttt acttactgcc 180
 tgagaattct cagacaatgg atgccttnag aaattactag aatgaagtaa aaaggcaatt 240

agacagaaat gtggaaatta ttagatatga t

271

<210> 14440
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14440

acatggatca atgtaataat ggagatatatt cgggtggaagg aaatatgaaa ctggatacag 60
gcgatcatga agcttcagta gatgccacat tgttcaagaa gctagtggga tgcttgagat 120
tcgtctacca tagtagacca gaaatctcat atggatttgg tcttgtcagc agattcatga 180
gtaatccaaa acagtctcat ttggcagcag caaaaagaat cttgagatat ctaaaaggaa 240
cacttaatta tggcatattg tgctctcatc agaaagaana atgtgagcta tacctcgtag 300
cttattctga ctcagactgg tgangggata aagtggagag aagatctact tctgggtat 359

<210> 14441
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14441

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ctctgagcca attcaaacga caataacttt nttactcggg tggctggatg agtgcccga 120
tatatcgaga cgctcggact tgaatgccga agctctgagc aaattcaaac tacaataact 180
ttttactcag atgtctgatt gagtcccgta gtatatctag acgctcggta ttgaatgtga 240
agctttgtag caattaaacg acaataactt tttactcggg tgtctgattg agtcccgtat 300
atatcg 306

<210> 14442
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14442

tcattggtnt gagtagtttc tatcaaagaa ccgatatctt tatatngatg gattttctttt 60
 agtttagtat gatcagtcac ctgacatagg ttggcttcct cttctccttc ttcacagag 120
 ggggtgttgt ccaaacctga tgtaagctcc attggagctt gtaggcctaa gatcttcttc 180
 atcaatggat tcctttgttc ttggaagatg aatggcagcg gaatggaaaa cgaagagaga 240
 gaggagatgc cacttcaagg agaagatgag tctacaagaa gctcaccacc atangagctc 300
 atggataaga gcttggagga agaaggagat gaatgaacgg agaggaagag aatagcccg 360
 cttcttgtgc tctaaaagag ttctgacatc tgacagttaa tattcanatg atcaaagttg 420

<210> 14443
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 14443
 actgaatgac gactggaaat ttgatttctc ttgccatgat gcccggcagt tggtttgcac 60
 caacaatgcg gatatgactg gacgtcttct tgcgggtca ttggcttttg aaagccgcat 120
 ccttcactat ttaatttgtt gtattctgct tccacggtct tccaaccttg ccaggtttc 180
 tgaggaagat ctaattatca tgtgggcctt tcatacaggc cgtcaacttg actgggcaca 240
 cttagtcaga tctcgatga ataaggcatt gcgattaaat gctccactac catatccaca 300
 gcttgttact ctatt 315

<210> 14444
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14444

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 ccttctgaag ttgtttatgg ttttaaccca ctaactctc ttgatctttt gcctaattgtt 120
 tctggtttta agcataaaga aggtcaagca aaggcggact atgtgaagaa gcttcatgag 180
 agagtcaaag atcaaattga gaggaaaaat aaaagctatg ctaaacaagc caacaaaggg 240
 agaaagaagg ttgtcttcga acccgagat tgggtttggg tgcacatgag aaaagaaagg 300
 tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt tcaagtgtt 360

gaaagaatca atgacaatgc ttacaaagtt gag

393

<210> 14445

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14445

gcttacaaag agaatcatct tgatatgaca actttggaag ttctcttaca ggctaagctt 60

ttgaagctnt gagattaacc tcaagcttgc aagaccaagt ttcttatgcc ataccgagtg 120

atgctttttt tactgagaat aatcatgaca ccttttgact agaaagatca ccaagtttaa 180

tcttataaag atttccttgt ctttttagcaa agaagagtga agagttgtcc ttgttttgga 240

tgatacacat atccttggtta aagatgacat tatatccact atcacataat tgacttatgc 300

tcagcagatt gtgcttcaac cctttaacaa gtagaatgtt attaatgaga ggatagggag 360

aaatacagat cttatctaca ccaattatca gacctttcta gatttgaata ttacctcttc 420

accatcagag ttaacagt 438

<210> 14446

<211> 343

<212> DNA

<213> Glycine max

<400> 14446

tcttagtctt gattgatgaa gatgaattcg tggctacttc atgcactcct ctaatgacaa 60

tagcatcact tctagcacta aattgctggg aatttgaagc catcttctca attaaatttc 120

tggcttcagc aagggtcatg tctccaaagg ctccaccact ggcagaatct atcatacttc 180

tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctct gaaatctggt 240

ggtgagggca actggcacat aattttttta atctctcaca gtattcatat aggctctctc 300

cactgagttg tctaattgcct gaaatatcct ttctgatgga cgt 343

<210> 14447

<211> 348

<212> DNA

<213> Glycine max

<400> 14447

tatatgtgat gcgcaaaaat tggacattcg agtaaatgta tgacctttga atttctaaga 60
actttcgttg ttcaattctg agccgctcgt tatgtgaatt gtctgaatcg gacatccgtg 120
tgaaaagtta tgaccatttg tattttctcaa gagctttcga tgttcaattt cgagcctctc 180
tacctattat ccccccgaat cggacattcc tatgaaaagt tatgaccatt tgaatatctc 240
cagagcttcc gaggttaatt tcagcctctc gcataatctc gcccaatcgg acatcctgtg 300
aaaagtttga ccattgaatt ctcacagctc cgttggttaat tcgagcgt 348

<210> 14448

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14448

taagaaaaag atggcctcag canattcctt attttcagag tgggaattcta tcaatagacc 60
ttcaatcttt aatggagagg gttaccacta ctggtaaacc cgaatgcaaa tttttatcga 120
ggcaatagat ctaaatatct gggaagccat tgaaataggg ctttatatac ccaccacagt 180
agaaagagtt tcaatagatg gtagttcatc aagtgaaagc ataaccatag aaaaacctag 240
agatagatgg tctgaagagg atagaaaacg agtacaatac aacctaaaag ccaaaaacat 300
aataacatct gccctaggaa tggatgaata tttcagagtt tcaaattgca agagtgctaa 360
ggaaatgtgg gacactcttc gattaacaca tgaaaggact acagatgtaa aagatctang 420
ataatgcact actcatgagt a 441

<210> 14449

<211> 437

<212> DNA

<213> Glycine max

<400> 14449

tgaatcttgc ttggtcgggt acatgagcat atgcaatgct cccaaatact ctcaagtgat 60
caactcttgg cttcactcca ctccatgctt cttgtggggg tgatttttga cattctttgt 120
tggggagcga ttggacaaat aaacggcaca tgcaacatct tctgcccaaa atttctctgg 180
catattttta accttcaaca tacatctagt catattaaga atagttctat tttttctctc 240

cgctacccca ttttgttggt gagatctagg aaccgttaga gggcgacgaa tttcatattt 300
 ttcacaaaat tcattaaatt cttttgatgt gaattcgcca cctctatcag atcttatagc 360
 tgtgattaca taaccactct ccttttcaca agagctttat aattttaaaa actacaaatg 420
 cctcagattt tgcttta 437

<210> 14450
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 14450

actttattgg ttttgcacta gtattgtggc atagcaaaaa gcaaaatagt attgccttat 60
 caactgtaga agcggaaat atttctgttg gaagctgttg tgcacaaatc ctatggatga 120
 agcaacaact ctctgattac gggttaatgc ttgatcacat tcgtattcgt tgtgacaata 180
 cgagtgcaat caacctatcc aaaaatacta ttttgcactt gatcgaggcc gtacccgaat 240
 caaataaaca ttaaaatgca gtaactagga agtgatc 277

<210> 14451
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14451

tctctctcgn cnanancaac taactcatct gacatcattt tcaataatgg tcgatcggaa 60
 tgtccatttg tttttgtact ctagctgatn gcaaattgtat ttcgaccgga agtatagcat 120
 cgtgcccata agtcagtcga aatggggtag tattagttga ttccttanga gaatntctac 180
 atgcccatag aacttgatct aacgttttat tccaatttct tggcttttgg gcaatgtgtt 240
 ttttaaatcaa gttgattaca atcttattgg ctgcttcgac ttgaccattt gcttgcgcat 300
 aatatggtgt cgaggtaat aatcgaaagc cagttttttg ggcaaattct ttcatttttc 360
 gtccagtaaa aactgaacct tgatcagt 388

<210> 14452
 <211> 400
 <212> DNA

<213> Glycine max

<400> 14452

tggtgcgag atgatggtac agcgggtgaa ccagaagcgg aagtttcttt tggtgaggta 60
gccatggaaa agcagagcgt ttggaatgat ttctgaaatc tcataaaact attgggaaat 120
gctgataaaa acacgaatcc caagcagata taaatttgaa tgaagaatgt agagggcgt 180
gtgaagcaac ggtcgaatgt gctttgtagt gaacgtgcta ttaatgttaa gtgattcgtt 240
tgggcacgtt cagattgcag tagctgctat aattcctcta gcagacaaat gccagcttg 300
cccctcagtt tttcaaactg atttgcaccc aaagcctttg tgaaaatata tgctatttgt 360
tcctcagttg ccacatgctt cagtgtgatc actttatcat 400

<210> 14453

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14453

aaatgaacaa caacaatcaa agtcaagaat agcanatgaa taaaattcac cacaccaatt 60
aataaaaaat aaaaacacag taactgcttc aagtgtgcat tntgcatacc acatagattg 120
gttatggcat ttgagatagc caaggctgta ggcaccccat ttccacaacc tgacatatct 180
tctccaagta acaattntgc aaacctctcc ttcatcatct caatctctac aagtgagaat 240
gaaaatcana tctcatcata ctgatcatc c 271

<210> 14454

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14454

ctactaaaca gaaaaatgga gagacccac atcctaatta aaaagagatt attttctaaa 60
aatcagcatc atttgactct atgatcactc ttgcatttag gtcataaaac ctatagctc 120
tgctattaat agcataacca atgaacacac attcataggc tctacttgca agtttaacc 180
tcttaagatc tgggatcctt acataggcca aacatcccca agttctcaaa taagaacaaa 240

tttgggtggct tttctttaat atctcatagg gagatgtctn tctttnttga ttgtggattc 300
tatttagcac ataacaaaac gttaacaaaa 330

<210> 14455
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14455

aacatgttga tgtgagatgt ttggttttct accattgaac aattcatatg gagttttctt 60
caagataggt ctgattacag ccctattcat gatataacat gcagtattaa cggcttcagc 120
ccaaaaatat tttggaagag gggatatcatt caataagggt ctagcaattt cttccaaaga 180
cctatttttc ctctcaacaa ctccattttg ttgaggggtt ctaggtgcag aaaaattatg 240
ttcaatgccca ttcttttcac aaaataaata anattcttta ttntcaaatt caccoccatg 300
atcactccta atagatataa tcttgagact tttc 334

<210> 14456
<211> 384
<212> DNA
<213> Glycine max

<400> 14456

aataatgggc gatcggaatg tccatttggt tttgtactct agctgattgc aaatgtattt 60
cgaccggaag tatagcatcg tgcccataag tcagtcgaaa tggggtagta ttagttgatt 120
ccttaggaga atatctacat gcccatagaa cttgatctaa cgtttttatt caatttcttg 180
gcttttgggc aatgtgtttt ttaatcaagt tgattacaat cttattggct gcttcgactt 240
gaccatttgc ttgcgcataa tatgggtgtcg aggttaataa tcgaaagcca gttttttggg 300
caaatttttt catttttctg ccagtaaaaa ctgaaccttg atcagtggta atttgtttct 360
ggaataccaa acctataaat aata 384

<210> 14457
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14457

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atthttgatca actgtaagca ttcagaatct tttgctgtca aattacccat ngccttccct 120
actgtattgt gtggcattat gttgagtcaa catccaaata ttttaaācaa cattgactct 180
gaaatgaaga gagaatctcc tctatccctg cattacaaac tgthttgaggg gacacatgtc 240
ccagacattg tctcgacatc agggaaagct 270

<210> 14458

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14458

tctgggtggga catcttgact tgctntccaa tctgacattt tccacagatt ctgccttctt 60
ctattntcag attatgaatg cctctaacag cacctttgtc aatgattttc ttcatacctc 120
ttaggtgcag atgtccaaat ctttgatgcc atatthttgac ttcattcttct ttggagaata 180
gacatgtgga ggagtaactg gthttcttgag gtgtccatag gtaacagttg tcctttgatc 240
tgctgcctt cattagaact tcaactcttct catttgtcac caagcattct gactttgtga 300
agthttacatt gaatccttca tcacacagct gactgatgct gatcaagtht gcagtcagtc 360
ccttcaccag cagtactttg ttc 383

<210> 14459

<211> 305

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14459

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atgtgaagag tgccaaaaac atggtaccat acaacaagtt ctaacaagtg agttacattc 120
gataaaaaaa ccttggcctt ttcgaggatg gacattaaat ttgataggtc aaattcatcc 180
atthttcctcg aaaggacata ggtagatctt agttgttgth gattatthta ccaagtgggt 240
agaagcaatt cccttaaaaa atgttgatca aggggatata actaatttca tagaacaaaa 300

tatta

305

<210> 14460
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14460

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 ccctttacga tagctccaca cttgcagtag atgtcaataa ttattgtgag aacaacgaca 120
 ttcaactcaa aattccccctt ttacataat catgaacca ctcccatgt tgaagtgcac 180
 ctaagtgagc ataaacactt aacaaactca tcaactgtaaa ttcactaggc tgaacccttc 240
 gtctctgcat cttgcggaaa agtccaatg cctccataag ctttttattc ctaacatatt 300
 cactaatcat agaattctaa gtaactntag ttcttgtagg catgttatca cacaacctcc 360
 tagattatca acctccccac acttagcaag ccccatgata ata 403

<210> 14461
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14461

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 tgtacaactc cagcagtttc tccattctat acttcatatt cactgggata aaatgagcgg 120
 atntgggtgag tcgatctact atgaccaca cagcatcatg tccacgacta gtcttgggta 180
 aactagatac aaaatccata gatatgtctt cccatttcca ttccggaatc tccaatggct 240
 tcaattctcc cgatggctgt tgggtgtcaa ccttagcctt ttgacatgtc aaacatcttg 300
 ctacatattc aactacatct ttcttcatgc catgccacca aaaacttctc ttcaaactct 360
 ggtacatctt agtcattcct ggatgg 386

<210> 14462
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 14462

tatgatgatac gagatgtaga atggggtttat ctacatactg agagatttaa gctcttggtta 60
cttcgtagtg aagtttctgg aaatgcaaag ggtgaaagag ccttaacgaa acttatgagt 120
tctgatcacc aaaagggaag caaatccagt aaacaaaggc aaagaacaga agagaatata 180
gaggatgatac attgtgggtg gagcagtagt gactcagaac ctataatttc ctggttggtt 240
cgatcttctc atcggttag atcttctttt caaggcataa agaaacagaa aacttctgtt 300
acaattccaa gtacaatgtc atcattcgta tatgatgaac ctgttacagc aaaggggcat 360
ttagctaaga gatctttgag ggggtgctaaa aataatttct ctagtgattc tgtgtcacia 420
aataaaa 427

<210> 14463

<211> 498

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14463

atccttgagt cacctgctgc atgcaagctn tctccactaa gttgcctgat gctgatatg 60
tcttttctga tggctgtggt cctagatgca gggaagaatt tctccatgaa caccctctta 120
aggtcattcc agcttgaaat ggacctagga gcaaggtagt atagccaatc tttgtcact 180
ccctctagag aatgaggaaa atcctttaga aagatatgat cttcctggac attagggggc 240
ttcatggttg aacaaaaaat atggaactcc ttaagatgct tataaggatc ttcacctgca 300
agaccacgaa acttgngcag caaatgtatt agtccagtct tgagaacata tggaacaccc 360
tcacaggat attgaatgca caagctttca taagtgaat caagtgcac catctcccta 420
agagtccttt cagcaggtgg aggggtgagcc atgttctcag tatgaaaatt agtagcggaa 480
tgttcaaaat cacaatat 498

<210> 14464

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14464

cttggattag tgggctgaac catagctaan attcactaat cataattagt gaaatTTTgg 60
 ccccaaaatt tggctccaca aattcaattt caaactcaag tgaaatttga atagaaattc 120
 aaatttccct ccaattnttg tgtgacacgt angtataaa tagagtccat gtgtgtgcat 180
 tntttggaac tttgatcatt tgagaattac acttaaaagt tcagacctca tttgaagcac 240
 anaattnttt gctcttttcc tccclttccc tccactcttc ttctctacc ttcaagctct 300
 tatccatggc ttccatggg ggtgagcttc ttcttgactc atattc 346

<210> 14465
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14465

gcttAtgaga gagcaagatc nnatggagga aaataaagct tgctaacaag ccaacaaggg 60
 agaaagaagg ttgtcttcga acccgaagat tgggtttggg tgcacatgag aaaagaaagg 120
 tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt tctagtgtt 180
 gaaacaatca atgacaatgc ttacaaagtt gagctgcccg gtgagtataa tgttagttcc 240
 accttcaatg tctctgactt atctcttttt gatgcagatg gagaatccga tttgaggaca 300
 aatccttctc aagagggagg gaatgatgag gacatga 337

<210> 14466
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14466

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 caccatatac ttttacatca aagttgctag agagaaactt cttagtctca tgaagaagac 120
 caagactatt aggtgcaagt aagatatgat caacatacag aattagaaaa ataaccttac 180
 tcccactgac cttcagatat atatacacca atcaacaata ttttccttat attcaaagga 240
 aacaatgata tcattaacct caaataccat tggcgagaag cttgctcaag actgtatatt 300
 catttctnta atatgcacac catgtgtttc tttcctttaa ccgagaaccc cattggttgg 360

tccatataaa cattctcctc taaatcccca ttaagaaaga cagttntcac atccattgga 420

tgtagctcta agtcataacg gacttctaata gtcattggata tcct 464

<210> 14467

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14467

gctcagaggt tcaacattca atttcgagcg tctcgttata ttacaggact caatcagaca 60

ttcgagtaaa acgttattgt cgtttgaatt ggcttagagc ttcaacattc aatttcgagc 120

gtctcgatat atgatgggac tcaatcagac atccgtgtaa aaagttattg tcctttgaat 180

tggctcagag cttcaacatt caatttcgag cgtctcgata tatgacagga ctcaatcaga 240

catccgagta anaagttaft ggctcgttgaa tntgctcaga gcttcaacat tcaatttcga 300

gcgtgtcgat atattaccgg cgtcaa 326

<210> 14468

<211> 419

<212> DNA

<213> Glycine max

<400> 14468

agcttagagc caattcatat tacaataact ttttactcgg atgtctgatt gagtcccgctc 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataat 120

cttttactcg aatgtctgat tgagtcctgt aatataacga gacgctcgaa attgaatgtt 180

gaagctctga gcccaattcaa acgacaataa ctttttactc ggatgtctga ttgaggcccg 240

tcatatatcg agacgctcga aattgaatgt tgaagctttg agccaattca aacgacaata 300

actgtttact cggatgtctg attgagtccc gtcatatatc gagacgctcg gaattgaatg 360

ttgatctctt aacgaatcaa acgacactac tttttactcg gatgtctgat tgagtcccg 419

<210> 14469

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14469

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggg~~aa~~tga 120
tgggtgttcc~~t~~ agacaaaacc gaattgatgg tatta~~aa~~actc aacattcctn cattt~~aa~~aagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
ccacaactat gaggaggacc agaatgtgaa gcttgcgcgc acggagtntt ccgaactatgc 300
tcttatgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatgggttga 360
tacatggacg gagatgaaaa agatcatg 388

<210> 14470

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14470

agcttaacta tctccttaca taacacatca tcaatgcttc ttgctgtata aggatgctta 60
agtgggtataa aatgtgaata cttggacagt ctatccacaa ctactaagat agcttcatac 120
cctctggatt tgggcaatcc agtaataaaa tccatcgata tgtcatccca tatttgcctc 180
ggaataggta atggttgtag caaacctcct ggagcagtag ccatatattt ctgtctttga 240
cagatatcac aactcctcac atactcctga atagtccctt tcattcccat ccaatataca 300
tttgttgcaa tctcctata tgtcttataa aaacctgaat gaccccttg nggagtggca 360
tggaattctt gtagcaacac aggaatcaat tgtgactgac tggataaaac taaccttcca 420
ttgtacatca acacacc 437

<210> 14471

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14471

gtgatctcta agcaccgcgg ctgcagctga cccttacgag tcagttagtc atatgtaaag 60
cttgaccctt acaagacaca ccatgtctaa caaactgctt atccaacaac tctcttaact 120

gtttcttaag ctacgttaac tctataggag acatcctata aggggctatg aatatgggct 180
catcacggg tactaactct atagaaaact ctatctctct ctcgatggt agaccagata 240
tatectcagg gatactttca ggaaactctc tcacaacagg gaggtcacac atggaaacct 300
gtctctatct ctagggttaga caagatcatg tacactngag catcttctnt tagagatgtc 360
nataactggg tggcagagat aaacatcata tcttactca ctccaaatc atcagacacc 420
atagttttat caaaacagtt taacaagacn atgggtggaag ataaccaatc catacccagg 480
ataacatc 488

<210> 14472
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14472

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ttaggggttta nggtctatgc cttagggttt atgttttagg gctatgggtt taggggtttg 120
ggttttgggt ttagtgtcca agccttangg tttagggttt atggtttaag gtgtagtgtc 180
taagtcttaa gttttagggc tgagggttta tggtttagtg tctcagccat aggggttagg 240
ttntagggtt tagtgtttag ggtttagggg ttaagcctaa gggtttaggg tttagtgtct 300
aagccttang gtttggggga ttaggggtta agccttacgg tttatgattg aaataaaatt 360
actccatact catatgcac taatg 385

<210> 14473
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14473

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tttcgatcat ttcttattac tgatccct cctttttttg gaacaacttg aacaggacta 120
acctatgagt tgtctgaaat tagatagata aggcctgcct ctaataactt gagcattct 180
tttcttactt cctccttcat tataggattc aatcttctct ggggttggtt cacaggctta 240

taattggctt ccaaattgat tttgtgcata caatatgatg gactgattcc ttttagatca 300
gaaatgtgcc aaccaatagc cgctctacgt cgatttagaa tctgcaccag ttgatcttct 360
tcttcttcct tcaaagagtt gctaattata acaggtttga tctcatcttc ttccaagaat 420
acatacttta natgtgccgg aagggctttt aattct 456

<210> 14474
<211> 313
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14474

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accgatgtta aaagtaccaa tgttgaaagt attatcggtta acattgggtt tccaaaactg 120
atgttaacga ataaatacaa catcgattat ttaaatagcc gatgttatat gataagaatt 180
atcataaaaa gaaagttata aatctatata tcaacatcgg ttttttaaaa aaatcgatgt 240
taacctccac agttaacatc agtnttttaa aaaatcgatg ttaactggca ctaacaacat 300
ttgttttcta tta 313

<210> 14475
<211> 362
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14475

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atcagtggcc aaaacgctnt ctgaaatggt nttaaattatt ttgaaagca tgtaatcgat 120
tacacaattc ttttaataca ttaccagcag ttgaaactgt ttataacagc tattaaaaat 180
ttgaattcaa attttaaagc ctgtaatcga ttacacaatg cttgtaatcg attactagga 240
ggaattttcg aaaataactc tcaagagtca catctgttca agagtttttt taatagctnt 300
canaagccta taaatgggtg acttgggaca cgaatttcct tagagtnttt ctacacaaag 360
ag 362

<210> 14476

<211> 361
 <212> DNA
 <213> Glycine max

<400> 14476

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ctgctgggag ttggaagcca tcttctcaat taaatgtctc gtttcaatag gagtcagtgc 120
tccaagggct ccaccactgg cagcatctat catacttctc tccatattac tgagtccttc 180
ataaaaatat tggagaagaa gctgctctga aatctgatgg tgagggcaac tagcacatag 240
ttttttaaat ctctcccagt attcatacag gctctctcca ctgagttttc taatacctaa 300
gttatccttc ctgatggctg tggctcttga agcagggaaa atgttttcta agaatactct 360
c 361
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<210> 14477
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 14477

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catctagacg ctcgaaattg aacaacgcaa gctctcgaga aattcgaatg gtcataactt 120
ttcacacgga tgtccgattc ggggacaaaa ctgatctaga cgctcgaaag tgaacaacgg 180
aagctctcga gaaatttgaa tggtcataat atttcaactcg gatgtccgat tcgaggacat 240
aatatatcga gatgggtcaaa attgaacaac ggaaactgtc gacatattcg aatgggtcata 300
acatttcaca cagatgtccg attcggggac ataactcatc tagatgctcg aaattgaaca 360
acggaagctc tcgagaaatt cgaatggaca taactcttca caccgatgtc catttcaggg 420
acataataat atatctagaa cttcgatatt gaacagcg 458
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<210> 14478
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 14478

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tgacaatgct tactaaggcg agctgcccgg tgagtataat gatagttcca ctttcaatgt 60
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ctctgattta tcttattttg atgcagatgg agaactctgat ttgaggacaa atccttctca 120
agagggagag aatgatgatg acatgaccaa gatcgagggc aaggatccac ttgcaggact 180
tggaggggtct atgacacggg ctagagcagg gaaagccaag gaagctcttc atcaagtgtt 240
gtccatacta tgtgaataca caccgaagtt tcaacgagaa aagtccaaag ttgtgagttg 300
tatcatgggc caaatggagg aagactagat ggcaccactt tgtc 344

<210> 14479
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14479

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ctgctgggag ttggaagcca tcttcttaat taaatttttg gcttcagcag gagtcatgtc 120
tccaagggct ccaccactgg cagcatctat catacttctc tccatattac tgagtccttc 180
ataanaatat tggagaagca gctgctctga aatctgatgg tgagggcaac tggcacatag 240
ttttttaaat ctctcctagt attcatacaa gctctctcca ttgagttgtc taatacctga 300
gatatccttt ctgatggatg tggtcctgga agcaaggaaa atgttttcta agaatactct 360
cttcaggta tcctagctcg tgatggaccg tggagcaagg taataca 407

<210> 14480
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14480

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actaagctca cctccttgag aagattccta aagaagctag agcttagcta cacacatctc 120
tctaatagct aagctcacct gcttgagatg agaagctaga gcttagctac acacccctta 180
taatagctaa gctcaccccc agttccaaaa tacatgatag tacaaaaaaa gtccctacta 240
caaagactat tgaagatgcy ctataatata aggctaaaac cctatactac tagtggggagt 300
gcttagctct actgagcttt agaagattgg gctaagattt ggtaagacat aagcacttaa 360

acaatgaagg aaagctggag ttgctgcaca tgatgtccaa cgttatgtca aggaataaga 420
tcgggctgca caatgcacaa tgcaagat 448

<210> 14481
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14481

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gttctaaaaa tgaaatctct tggttttaca agtttgagaa tgttgtctca gcttcaatgg 120
gattggaaaa tggagggaaa tttgaatttc tattcaaatt tcacttggat ttgaaattga 180
atattgtggag ccaaattntg gagccaaaat ntcaaattat gattagtga ttttagttat 240
ggttcagccc actaatccaa gatcaagtc aagaatctcc actaagtgtg cttaggtgtc 300
atgaagcatg taaagcatg 319

<210> 14482
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14482

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tccaaagggc tatcttgcag tgtatgttgn ggaagaaaca aaagcgggtg tggttcccgt 120
atcatacttg aatcagcctt cattccaaga tctcttgtat caagctgagg aagagtttgg 180
atatgatcat ccctcgggtg gcctcacaat tccttgcagt gaagatgtn tccaacatat 240
aacttctcac ttgaattgag accacacatc tcaactgtggg agactcacat agattagtag 300
acattntaca ctat 314

<210> 14483
<211> 401
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14483

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 cgtcacctta tacatcacaa cacaatgggt tggcagaacg aagaaataga actatccttg 120
 acatggcaaa gagcatgctt aagcagaaga agctaccta ttcattctgg ngagaagcta 180
 tgagcacaac aacttatttg ttgaacaaat gtcctactaa gagattgaaa gagaaagtcc 240
 cagaagaggt ttggtctgga agaaagccac tggttagtga tcttaggac tttggatccc 300
 tatgctacaa acacattcct gatgccaaaa ggaggaaatt ggaagacaaa agtgaaccaa 360
 tgatactgat aggctatcat ggtactgggtg cctatagact c 401

<210> 14484
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14484

gcttgtaggt taaagtctca cgattgtcat gtgctcatgc aacaattggt agccgttgct 60
 atacgagaca tcttgccaaa caaagtcagg ttagccataa ctctatgtg cttttcttc 120
 catgctatat gtagcaaagt cattgatcct gtcattgttg atgagctgga aatgaggcc 180
 gcaattatac tgtgtcagtt ggagatgtat tttccccctg ctttctttga catcatgatt 240
 cacttgattg tgcattctgt cagagaaatc aaatgttgtg gtctgtttta tctacngtgg 300
 atgtaccggg ttgagcgata catgaagatc ttaaaagggt atacaaagaa tctatattcg 360
 ccagaagaat ctattgttga gaggtacatc gcagaagaag ccattgaatc ttgttcataa 420
 tacattgaga aggctaaact tggtggcctt cctgagtctc gacatgatga cag 473

<210> 14485
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14485

tatttcagaa gggaattcta tcaatagacc tcccatcttt aatggagagg ggtaccacta 60
 ctggacaacc cgaatgcata attttatcga ggcaatagat ctaaataatct gggaagccat 120
 tgaaatangg ctttatatac ccaccacagt agaaagaggt tcaatatatg gtagtncacc 180

aagtgaaagc ataaccatag aaaaacctag agatagatgg tctaaagagg atagaaaacg 240
 agtacaatac aacctaanaag cccaaaacat aataacatct gccctangaa tggatgaata 300
 tttcatagtt tcaaattgca agagtgcctat ggaaatgtgg gacactcttc gattaacaca 360
 tg 362

<210> 14486
 <211> 471
 <212> DNA
 <213> Glycine max

<400> 14486

tggttacctc tttcttcact ataactcatg aatcacctg ttgagtcttc tctgtggttg 60
 tcttactggg ttagcctcat cttctaaatt tattcgatgc atacatgtgg atgggctaata 120
 accaggaata tctgccaggg tccagcctat agctttctta tgcttcttga gaacaaataa 180
 caacttctcc tcttgctcat cagcaaggga ggcggatata attactggaa aacttttgcc 240
 atcatccaag taagcatatt ttaaattaga tggtagaggc ttcaattctg gtgtgggcgg 300
 ctggatagtg gtagaaagag atgggtttctc agcctacacc tcataaagaa agtcgaggta 360
 tgtgtactta ctgaaacatg gttagtttga tctgactcta taaaatcaat ctctagaggt 420
 aagacatcac cagacatgta atcaatatct aattcatatt cactctcaac a 471

<210> 14487
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14487

atcatgaaac tacctttact tactcttcat tctgagatca caatagaata cgcccagtta 60
 cctacgagtc aaaagacatc tttacttggg agaatgaaca tagttaaggt aaaaatgaac 120
 tcatttcacc tgaagcaagc aagtccttcc atctattaga aggtgagttt cagctgcttc 180
 ttcctccgca tatatttata gaaagaaagt gaagtataaa aactcaggca gaattcagca 240
 tcttatacct ttcgccgtgt tccgccattg attacttacc actgaaacat atatgccttg 300
 tcaaaattgt gaagcataac attcacgaga ataaagtga gtgcagtaac aacaaccatt 360

gatttaatgt gcaagcacgc gaaaaatgac acgttgctnt ggcatatggc ttcgaggcac 420
 ttcactgctt tccctatttc ccatagecccc tctc 454

<210> 14488
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 14488

agcttgcttc aaggtggatg caattgagcg agaagttgac cttggaagta cttgtcaatg 60
 cgactgtacc atgctctcag tgcttgTTTT agtccataaa aagccttctt tagcttgaga 120
 actttgtctt cttctaattt cacctttaat cccaacgggt gttegatgta cacttcttcc 180
 acgaggactc cattcacgaa ggtagacttc acgtccattt gatgaattct ccactagtgt 240
 tgagttgcaa gagagattat tagtacgatg gtctccaggc gagcgaccag agcaaacacc 300
 tcaacataat tgataattgt gaaatttgag ttaatttgat agt 343

<210> 14489
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 14489

catgaatggt acaattctta gcaccttcga cagagttcat tgaataacca catggctcaa 60
 agtcaaagtc acaaattctca gaatctggaa gaattattct aatgccagaa ttaacagtca 120
 taatggcagc tgaagctgat tgttctttgt agaaaacctg tgctatctct ctatcaggcc 180
 agtcatgcac atctctagag tgtaaacatt gtcgcatgga gttacagaat ctgcagatgc 240
 agagtagaca tgccagttct gtgatttgtc tt 272

<210> 14490
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14490

tactcagctg acctctagaa tanaaaataa ggggtgctctc tgtaatatat acaaaagana 60
 gatgaagaat ntacttgcta cttttacaag aaatttggac acatgaaaaa agagtgtcca 120

aggtacgttg catggcgtgt aaagaaaggt aaatctcttg ctcttgtttg ttttgaagtt 180
 aatttagcag tctttcccat ttatttgcag atctaagat ttgtttaatt aaattgattg 240
 acacaatata ttgtaaagta atccctattg ttaaaattga tttgattaaa attacataga 300
 ttttgataaa aattatttat gogaattgtg ttcagcttaa aggaagacac aatttggcca 360
 aaaatatttt ctacttctga taataaatat gtgacaatta taaggtgttt tcatgtgaat 420
 aatagtaaag ccaaagaaag actgttattt gacagaatnt attgtcaaaa tattngcatg 480
 ttctattata ta 492

<210> 14491
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14491

acaatggaag ctgtctagan attcanatgg ttctatcttc tcaaacggat gttcgatttg 60
 gacacataat atactgagac gctagaaatt gaacgattga acctctcgag aaattcaatt 120
 ggtcataacg tttcacacgg atgtccgatt cgggcgcatt atatatcgtg acgctcgaaa 180
 ttgaacaacg gaacctcttg agatatttaa atggtcataa ctattcacac gaatgtccga 240
 ttcagggact taatatatcg agacgttcga aaattaagaa cggaacctct cgtgaaattc 300
 atatgggaat aacttttcac atggat 326

<210> 14492
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14492

tagaatgcan aagaagaaga agaagcantc aatttaacaa tgtttttttna atgcgtaaga 60
 ataaattgat tacaataaaa taaatgagat aggggaagag agaaatgcaa actcgattta 120
 tactggttcg ggcatttccc gtgcctgcgt caagtcctca agcaaccac ttgagatttt 180
 cactaacttt gtaaaatcct atttacaact tttgaacacc cgaggaatcc ctttccttg 240
 tgttcaggaa acttcacaat tcaagagaca accaatctct tgattacaac tgactttctg 300

agatgaacag aatgatttct ctcttttaga gtggatgata caaattgaag ttcctagatg 360
aactctcaat agatntgtaa gtgtttgccg aagatntttt aagagagcat ttggcaatga 420
atntctctta gaatatctct ctcttacatt ttgaagtcag acacacata 469

<210> 14493
<211> 467
<212> DNA
<213> Glycine max

<400> 14493

tatgcacgca gagttggaga tgagtatgat tagagaatta tagttctttc ttggacttca 60
aatcaagcaa acagatgaag gcatatacat acgtcaaacc aagtatgtga aggaacttct 120
gaagaagttc aagatggacg atgcaaagtc aatgaagacc ctatgcatcc aaccattata 180
gttggactgg atgaagaatc aaagcaggtg gacaaagaga catacagagg aatgatagaa 240
tctcttttgt agctcactat gtccagacct gacattatgt tcagtgtatg cctcttccaa 300
aaggaaccaa gggaagttca tatatctatt gttaaatgca tatttagata tttagttgga 360
actcctaacc ttggtttgtg gtttaagaga gaaaaggaat acatgttgct tgattattgg 420
gatagcgaat ttgtccgaga tagagtggaa agaaagagca cacatga 467

<210> 14494
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14494

agcttccaca ttnttacata gaatngatgt tatttctctt atggaattgg ttatgcaaac 60
atgcaataaa tgaaactcca attcagattg gagaatagca taaaaaatac tcaattaatt 120
aatttgggtcc aggttttgtt cttttaactt agggtaacaa ttattgcata gggtttatgt 180
tgaaatggaa attgtttgtt gacgacatgt tgcttgntg gttggtggat caatcacgag 240
gctaaggaac aagaagagaa gagggccact actcagttga tgtttgattt gggttataag 300
gcctatggga agggcttcta tggacatgcc attgaatatc ttgaagttgc actcactatc 360
ataccaggc ctacat 376

<210> 14495
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 14495

gagaccttat agtgaatgagc tcttcgtgta tgaccgtcat acctgggtca tatctattga 60
 ttgcaatccc tctccacgtg tgagaattat ggcatgattc tgattatctg gcttaccctc 120
 acacaatatt gctgggtccag gacgctttat cttatatatg atctgattga aacaatcata 180
 tatagtatat tattaagata ataaatgata gtttacgtaa gactcgaaca gttaacgtta 240
 agagttccat ttagttatat aga 263

<210> 14496
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14496

agctntacac attatataga atcaaagtgt atctctcatg agaattacca atatccggaa 60
 taattgctag cataaatctc taagggtata ttcacatgag attattttta agtacataat 120
 tcattctaaa gaataaagct aataatgtta tatatcaata aacaaataat gatcgagttt 180
 atattacatt atacatacat atatatatat atatataata ttagtatata attataatta 240
 aggagtctag tctatttaat taaacatgtg ttgagttaga gtatactctc ttatactcgt 300
 ctctaattct tatgaataag aaaatataac aaagtataaa taaaatataa tattaatcat 360
 taattttttt acagaattac taaagtgata ta 392

<210> 14497
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14497

tcaagctntt gaaccttggg attgtaaatg actgctcata taaaggcttg attaaacttc 60
 catcttccaa cgagcacagt aacaccctat gaggacaacc acaggaatca tgaatatcaa 120

caaaatttcg catatgatga tcaaggacca caatgtgctt ccccttgctg tgcgtaagtc 180
 tgacagggac ctgaagtggg tgactttcat caacaaaaan gttggaacaa tacaaattgg 240
 actccacagg accatctaata gtcccagtaa aatatattag acctgtatcc tcattcacac 300
 cggcaatatg ctcaaccatc cattcacctt cagtgatggg tctaaacaa gtcgcatttg 360
 catcatg 367

<210> 14498
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14498

tctagatgag ttatgtctgc gaatcggaca tctgtgaaa tggtatgacc atntgaatnt 60
 ctcgagtgc tccgttggtt aatttcaagc gtctcgatat tttatgtcct caaatcagac 120
 atcggagcga aatgttatga ccattogaat ttgtcgagag cttccgtttt tcaatttcga 180
 gcgcttagat gagttatgtc accgaatcag acatctgagt gaaatgttat gaccattcga 240
 atttgtcgag agcttccgtt gttcaatttc gagcgcttag atgagttatg tcaccgaatc 300
 ggacatccgt gtgaaaagtt atgaccattc ggctttgtcg agagcttccg ttgttcaatt 360
 tcgagcgtct cgatatatta tgtccc 386

<210> 14499
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14499

gctgttacct catggttgaa ttgcttacta tagagctngt catagcacca ctaaattgtc 60
 tccttttgaa agttgttatg ggtttaacct actaactcct cttgatcttt tgcctatgcc 120
 taatgtttct gtttttaagc ataaaagaag gtcaaagcaa aggcggacta tgtgaaaaag 180
 cttcatgaga gagtcaaaga tcaaattgag aggaaaaata aaagctatgc taaac 235

<210> 14500
 <211> 413
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14500

cgcttctntn ggtgcataga atgctgtana aaaaatagta tgtgtcatga atctctgaca 60
taagcttgaa ccaattaaca ttgtttgaat gacaactggt gtagttggac aacaatcaca 120
tagtttttcc acaatggtat gcttlatgtt cctatttggt atagtttttg tatgctttto 180
ttcctattgg ttatagcttt ggtgctagaa tagttcaatt ggagtcaca agaggaggat 240
ctccatatgg tgctggagtt tttgctggag atggtacaag acaagcaagt gaaatggagc 300
tggagcttgc agagtatcat ggcaagtata tatgaaatta gcccataaaa gctagattga 360
attatgtgat taanattcca ttaagccctt ctagctacgt caacattcta gtt 413

<210> 14501

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14501

tattctataa ccgacgacat ctctatgtgg tgtgtcagtt ttcactacta taaaaagagg 60
gtntacatc ggatatttaa gactttcaac atagattatt aaccgatgtt aaaagtacca 120
atgttgaaag tattatcgtt aacattgggt ttccaaaact gatgttaacg aataaataca 180
acatcgatta tttaaatagc cgatgttata tgataagaat tatcaaaaaa gaaagctata 240
aatctatata tcaacatcgg ttcttttaaaa aaatcgatgt taacctccac agttaacatc 300
agttttttta aaaatcgatg ttaactggca ctaacaacat ttgttttcta ttataaagta 360
aacgaatgga gttttttgaa ttgagggggg ggg 393

<210> 14502

<211> 311

<212> DNA

<213> Glycine max

<400> 14502

actcagcttc ttgtcattac gagcgcttta ttattatgtg cctgtttcag acatccgagt 60
gaaaagtat gagcatttca atttctcaag cactaccatt ttttaatttc gagcgtctcg 120

atatatcatg ggctcaatc gaacacccat gtcaaaagtt atggccgttt gaataggact 180
aaagattccg tgttcaatta cgagcgtctc gatatatcat gggactcaat cggacatcca 240
tgttaaaaga tatggccgtc tgaattggac tagaacttcc gagttcaaat ttgagcaggt 300
cgatatatta t 311

<210> 14503
<211> 475
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14503

ntgagaatat ggttgcagcc attggtcaag atgagccaca tttgccatt ccttgctatc 60
atgacatcag agttccactc ttgaggaagg aagttgaata tactgaaaat ttgataaaaag 120
gccacagga gcaatgggtc aagtatgggtt ataataattat gtccgatgca tggactgatc 180
ggaaacaaag atgcatcatt aatTTTTTga ttaaattctca agttgggtacc atgtTTTTga 240
agtctgttga tggctctgat tttgtaagga cgggttaaaa tatttttgag ttgcttgatg 300
ccactgtgga ggaagttgga gaagagaatg ttattcaagt tgtaaccgat aatgggagca 360
actatgtttt agcgggtaag ttgttggagg agaaaaggaa acatatttat tggactcctt 420
gtgcagctca ttgtattnga ttgatgcttg aagatattgg gaagcttccc ttgat 475

<210> 14504
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14504

tactcagctt actataccta tagttnacaa tgtttcttaa atatcttaca actgttttta 60
taggaaagtg ataggaaggg aagacatcca gatactatcc agaggatgta aataacatgc 120
tgaagtttct agcaagtta tctaaaagat taatgtacaa gtctaaattg ttagtcgttt 180
tatccatcaa gtaagattnt agtatggta agagaaatat caaattcaca tttatgaaaa 240
agataataat taattttcaa ttcttaagta cttgtaccat ctcacaatga cataaatcct 300
ataacttact acgtatattc atatttttgt gggacaacaa aagaaaatat ataattagta 360

attntctgag gccaccana agttaaaa

388

<210> 14505

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14505

tactaagctt gagcaggant aaatgacaat actttttacac ggatgttctg ttgagtcctcg 60

naatatatcg agacgtcca aattgaaaac ggaaactcct agataattca aacgacaata 120

actttttact cggatgcccg acagagtgtg gtaatntatc gagggatgct ccaaattgaa 180

aacggaagct cgtatcanat tcaaacgaca ataacttttt actaggatgt ctgattgagt 240

cccgtaatat atcgagacgc taaaatttgt gatccgaagt tctgagaaaa ttgaattgac 300

aataacttta tgcacggatg tcaagttgag tctgtgaata tatcgagacg ctgcaaattg 360

aaaacggaag ctcttaggaa attcacacga caataactct ctactcggat gtccgattga 420

atcg 424

<210> 14506

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14506

agcttatacc anattcaaac gacaataact ttatacacgn gatgtccgat gagtcccgta 60

atatatcgag acgttaana ttggaaacgg aagctcgtag acaattcaaa cgacaantaa 120

catttactcg aatgtcctac agagtccagt aatatattga gatgtccaa atnganaacg 180

gaagctcgta ccaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtccca 240

taatatatag agatgtcca aatggaaaac agatgctcgt gtcaaattaa tagacaataa 300

ctttttactc gaatgtataa ttgagtcttg taatatatcc aggcact 347

<210> 14507

<211> 415

<212> DNA

<213> Glycine max

<400> 14507

gggcgggcggtt gcaatcgcat ggtgatgtca tggctcactc tttccatgag tcttgcctatc 60
aagcaattgg tgatgtggat ggattcagct tttgaaatct ggaaagatct caaagatcaa 120
tcttcgcatt cagataagtt tcacattggt gatcttcaag atcaaatacca aaattgtaag 180
caagttaact caagcatttc tgagtaatat actcgtctaa agattttgtg gaaagaacta 240
gaattgtata gatgtttttt gttgtgtaca tgttctagtc cttgttcttg tgggctcatt 300
tctaaactta agaaagaatg tgaagatgac tgtgtgatcc atttttgcgt ggcctcaatg 360
atgtgtatgc acctgtcaga tctcaagtca tgcttatgga acctatgcct tcctt 415

<210> 14508

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14508

gcgagacaac aactttngca ccatctaact ctccaataca agcctgcact tcctcttcct 60
ccttcttggg caaacattct acatgattat tcagtgtttt ttccaaagga gactgtagta 120
ccatggcaag ctgctaattc tatctcccggt tctaccttct tcacatcaaa ataggccttc 180
tgatcacttg agtgcttcat tgcttcaaat aagttgaatg aaattttctg atcctccaca 240
ctcagttcta acttaccttt ccccatatct attacacaac tggcggttga catgaaagga 300
cgttccaaaa ttatggggat ttcaatatcc ctctctatat ccataaccac aaaatctgta 360
gggaaagtaa tatgtttaac tctgacaaaa acatcttcta tcactccata cggctctgatg 420
atggagcgat cagctaactg cagagtcatt ctgggttgga ttatctctag ctctcccat 479

<210> 14509

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14509

actggatgcg ttggatcatc ttgtaacca gctgttcttg aatcagaaat ctgtacctgt 60
cgcaaggggt tgtggcttgc gtcctctgc tgaccaccat acagacctt gcccttccat 120

gcagcaacct ggagcaattg agcagcctga agcttatgct gcaaataattt acaatagacc 180
 tcctcaacct cagcagcaaa atcaacacag cagagcaatt atgacctttc cagcaacaga 240
 tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca gcaacaacaa 300
 caacagcctg ctcttctctt caaaatgctg ctggcccaag cagaccatac attcctncac 360
 caatccaaca acagcaacaa cccc 384

<210> 14510
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14510

actcagctta gcacttctgt agggtttcag ggctntccat cagctcttat taatctgcca 60
 tatactcagc cggattagg cctcatgagc tttctcatat ccagcttact ggatttagtt 120
 tgggtgactt cccttttaga tacttaggtg ttcccccttt atcatcgaga ttaaagtgtat 180
 gtcattatgc tcccttgctt tccaagatta ctggcctgat ttatggatgg agcaagaagt 240
 ctttatctta tgcaggttaag ttagagttga ttagagcagc tattcaagga attgtgaatt 300
 tctggatgga gatttttctt ttgccgcaat ctgttctgga ccgaatcaac gct 353

<210> 14511
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14511

agcttcaaga aaaatatggc ctcagcanat ttcttatttc cagaatggaa ttctatcaat 60
 agacctccaa tctttaatgg agaggggttac cactactgga aaacccgaat gcataatttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tatggtctta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 cctaaagata gatggtctga agaggataga aaacgagtag aatacaactt anaagccaaa 300
 aacataatag catctgccct aggaatggat gaatatttca gggtttcaaa ttgtaagagt 360
 gctaaggaaa tgtgggacac tctttaatta acacatg 397

<210> 14512
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14512

ataactggag attattatta tgttaacaaa actagtttaal aagtatataa aagttaccc 60
 ttttgaacat tataaaatga cttattcaat tataatagtt gattaaaact gggaattgaa 120
 gtagtgtaag ataataaaaa tggacatata nttttacata tattntagag taaaatatgt 180
 ttttagtcct tcaaaaaata tacaaatttg attgtagtca ttaaaaaatc ttattnttgt 240
 cccctaata tagaaataat aatgtcacia aatatactat caagatcnga aatagagtat 300
 ttccaattta gaggagcaaa aacaagacaa aagaattnta gatgactcta anatcaatta 360
 agtttacgta catttaaaat aatataaaat gtattttatc ctaaattcta atatcat 417

<210> 14513
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 14513

tcaccataac tcgcatgtgc tttttcttcc atgctatatg taacaaagtg attgatccac 60
 gaatgggtga tgaattggaa aatgaagccg caattatact gtgccagttg gagatgtaat 120
 ttccccctgc tttctttgac atcatgatcc acttgattgt gcactctggc aaagaaatca 180
 aatgttgtgg tctgtttat ctacgggtga tgtacccggt tgagcgatac atgaagatct 240
 taaaagggtg tacaaagaat ctatatcgtc cggaagcatc tatttgtgag aggtacattg 300
 cagaagaagc cattgaattt tgtcagaata c 331

<210> 14514
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14514

tcatataggt gaatctcaaa ataagtatct tgaaatcatt tgtgaagaaa atgggaatca 60

ccacaatttt tcaacccaag aatacctcaa caaaatggtg ttgtggagag gaaaaataga 120
 tcccttgaag aaggtgcaag aacccttcta aatgaaacaa gtctacctaa gtacttttgg 180
 acaaatggtg tacatactat gtgttacacc ttgaacagag tacttattat gacctatttg 240
 aagaaaaatc cttatgaact gtatanagga agaaaattgg acatcacctg agagtttttg 300

<210> 14515
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14515

atacagatct ctgtccttct ttgcaactat ctggagtcaa tgagcaacct aaagcttatg 60
 ctacaaacat ttataataga ccccttcagt agcanaacca acaacagcag aataattatg 120
 atctttcaag caacagatat aatctatggt ggaagaatca tccaaatctg agatgggcaa 180
 gtccttcaca ataacaacag cctatccctc ctttccagaa tgttgttggc ccaagcaagc 240
 catatgtttc ttctccaatg cagcagca 268

<210> 14516
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14516

agcttatgtt gcaaacattt ataatagact ttccttagca gaaaaaccaa ccacaacaaa 60
 attattatga tctttcaagc aacagatacc atccaaggta gaggaatcaa tccaatctga 120
 gatggacaag tccttcacaa caacagcagc ttgtccctcc attctgaatg ttgctggccc 180
 agcaagccat atgttccttc cccaatgcag caacagtaca acaacaaagg caacaagcaa 240
 ctganggatc ctctcacct tccttagaag agttagttag gaaaatgacc atccagaata 300
 tgcaattnta gcaagagaca agagccttca ttcagagtct gacaaatcag atggg 355

<210> 14517
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14517

agcttgcctt gcctcttgat atattngagg tattcatggt cactattaat gacaaattcc 60
ttgggataaa ggtagtgggtg ctcatgtttc aaagcccgta ctaaggcata caactcctta 120
tcataaagtg aaatagtaag ggtaggacca cttaactttt cactataatn agcaattgga 180
tgggcttttt gcataacaca gcccacatc caacatttga agcatcacac caacttttga 240
aagattttga aagtttggca tgcaagtatg gggcattagt tagcttttgc taaaaacatg 300
aaagattctt cttgttctct ccc 323

<210> 14518
<211> 276
<212> DNA
<213> Glycine max

<400> 14518
cctttttcga aagcccatga attggcgat cggatcatgt tctccacct tcgaggttgg 60
agctatgcgt agtgattgct tagagaaatt cttcattctc aaccctttt tcggacccca 120
tgaattgtgt tttcgttcat gtcgcctcca ctttcgagtt gtgagctatg cgtagagatt 180
gcttagagaa attctccatt ctcaaccttt ttcggagcca catgaattgc gttgtcgttc 240
attgtgcctc caccttcgaa tttgaagcta tgcgta 276

<210> 14519
<211> 360
<212> DNA
<213> Glycine max

<400> 14519
ctgcagctat gacgctatcc agctottgaa ccaggacgga gaatgatcta tatataggct 60
tgctaagggt agagagagga agactagaga tttggatcaa gtaaagtgtg ttaaggatga 120
agaaggcaaa gtcttagtgc atgaaaaaga tatcaaggaa aggtggaaag cgtattttcca 180
caacttatat aatgatggat atggatatga ctctagcagt ctagacacaa gagaagagga 240
ccggaactat aagtactatc gtcggattca gaaacaggaa gtaaaggaag cgttgaatag 300
aatgagtaac ggtaagggcg gtagggccag acaacatacc tattgaagtg tggaaaactc 360

<210> 14520
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14520

cgagcgtcac gatarattat ccccatgtat cggacctccc agtgaaaagt tatgaccatn 60
 tgaattgctc aagagctttc attgttcaat ntcgagcgtc tcgatatatt atgcgcctga 120
 aactgacctc ctagtgaaaa gttatgacca tttgaattgc tcaagagctt ccattgttca 180
 atttcgagcg tctcgatata ttatgcgcct gagactgacc tccaagtgaaggctatgac 240
 catntgaatt gctcaagagc ttccattggt caatttcgag cgtctcgata tattatgcgc 300
 ctgaaaccga cctccatgtg aaaagt 326

<210> 14521
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14521

tggatccacc anatccatnt attacagaaa cccattcggg acatcatata gctaagaaaa 60
 ccccaggaaa ccgcatcata ggctctctca aaatccactt tgaacaacat acaagggttt 120
 tgcccccttt ttgcttcctt caccagctca tttgcaacaa taacactgtg tagcagctgt 180
 ctgccttcta tgaaggcaga ttgtctctcg tcaatgatgt ttggcaaaat tttcttcaac 240
 ctgcttgata agagctcggc cacaatcttg tatatgcac caataagcga gatagggtctg 300
 aactcattta gtgtttgggg atcggaaaacc ttatgaatta aggtgatgaa tgatgcgttg 360
 cttccttttag ggaaaatccc acttgcggtgg aattcatgga ggaagcgaat gatttgtcat 420
 acatttgac 429

<210> 14522
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14522

tctcttttga agttgttatg gttttaaccc actaaactct cttgatcttt tgcctatgcc 60
 taatgggttc tgttntaan gcataaaaga aagtcaagca aaggcggact atgtgaagaa 120
 gcttcatgag agagtcacag atcaaattga gaggaanaat aaaagctatg ctaaacaagc 180
 caacaaagga agaaagaagg ttgtcttcta acccgagat tgggtttggg tgcacatgag 240
 aaaagaaagg ttccggaac aaaggaaatc anagcttcaa ccaaggaggag atggaccatn 300
 tgtgcttgaa agaatcaatg acaatgctta caaagttg 338

<210> 14523
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14523

gtcacctgag gcatgcaagc ttccaagtgt caaaggtaaa gtcccagata gtgaatttct 60
 acttatatca agaattaata actcgcttaa tgcaataaaa atatctggaa tgtgtccact 120
 aaaatggntt ccagcaagaa caagcctctt caacttggtc aagttaccaa tatctggtgg 180
 aattttacct gttaaaccat tttctaatag tactagtac tgaaggttct tgagggcacc 240
 aaaacttgaa ggaatttttc caatgagacc tctgtttgat ctaaactcaa gtgattctaa 300
 gctgccagca agctttttcc agtttgcatt gnggatggta acttgatgcc tgtgttgatga 360
 ttcacagcat tngaataagg atagagctt 389

<210> 14524
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 14524

gctccttcaa ctgcacaagg ttcttaatat tgaagagta tcttgcgga accttcaccc 60
 gacgaagaca ctgacaaaaa cttatcttta ccttcttgga caaagcatgg caggctgggg 120
 gcaagctaaa tttctttcca tcagaccttg gatgcaactg tgatcgtata cccatatcaa 180
 ctagatcttg acgggtattc aagccatgct tcttcttgcc ttgaatggta aagagtgtcc 240
 caatcacact gtcgcaaaca tctttctcca catgcataac atcaatacaa tgtctaactg 300
 caagatcaca ccagtacgga agatcaaaga aaatggatct cttcttccat atgcaactct 360

gacttttta

368

<210> 14525
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14525

agctagaagg tgtgtatccc accatctntt catagtagaa tactggtaat gtgtctacta 60
tcattggccc tcattttttt ccgtcattga ggggtgccact tgggttggca ggtctctcca 120
cctttgggcg tattctttga aagatccgtg cccctttttg cacatgttct gtagttgcat 180
cctatccgga accatatcaa aattgtactg atactgccta acgaaggcaa ccattatgtc 240
cttccaagaa tnggactcgg aagggtccaa gttagegtac caggtaacag ctaccagta 300
agactttctt ggaagaaatg tatcagcagt tctctatctt ttgcatatgc ccccatcttc 360
caacaatata tctttagatg gttcttgggg caagtagtcc ctttgtactt gtcnagtcc 420
ggcaccttga ac 432

<210> 14526
<211> 403
<212> DNA
<213> Glycine max

<400> 14526

agctttgagc caattcagac aacaataact ttttactcgg atggcttaat gaagcccgga 60
atatatcgag acgctcgaaa atgaatgttg aacctctgac caacttaaac gaacataact 120
tttactccga tgtctgattg aggcccgta tatatcgaga cgctcgaaat tgaatgttga 180
acctcttagc caattcaaac cacaataact ttataactccg atgtctgact gagtcccgta 240
atatatcgag acgctcgaa gtaatgttta agcttttagcc atttcaacga tataactttt 300
actcgatgt ctgattgagt cccgaatata acagacctca aattgatgtt gagctctgac 360
taatcaaacg acatactttt actcgatgct gattggcccg aat 403

<210> 14527
<211> 419
<212> DNA

<213> Glycine max

<400> 14527

ataatagcta agcacacctc cttgagatga gaagctagag cttatctaca cccccctat 60
aatagctaag ctcacccaca tgacaaaaaa catgaaaata acagagaaaa gtccttatta 120
catagacaac tcatcatgcc ccgaaataga atgctaaaac cctatactac tagaatggcc 180
aaaatacaag gccctagacga aggaataaacc tattctaata ttacaaaaga taagcgggct 240
catacttagc ccatgggctc gaaatatacc ctaaggctca tgagaaccct agggcctttc 300
cttgatctc tagcccaatc tacttgaggt cttctagcca atgcccttgc ggggtaagag 360
agcatcatta cttttcactc agatgtgcga ttcaggcaca tcatatatcg agacgctcg 419

<210> 14528

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14528

agcttgctaa cccatggaag ctccaatat ctcccacact ttttgnggtg ggccattctt 60
ggatggcctt gattttctca ggggtccactt ggacccatt tctaccaact aaaaaaccta 120
agaagactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgttt 180
tcctaaggac tgaaagaact tgctgagat gtcctaagt atcatctagg ctccactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc attaagacat 300
gatgcataag cctcataaag gtgcttggtg tgttagttag cccaaaaggc atcactagcc 360
attcatacaa accaaacttg gtcttgaaag cggntntcca ctcatcccc tttntcatcc 420
tgatttggtg ataaccactt ttaagaatca attttgaaaa gatattgg 468

<210> 14529

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14529

tgagcncata tgctatgccc atcatcttgg tgccaaagta ttatgatact ntgagaatat 60

gcacaaattg tagagccatc aataacatca ctgcaagtga tcatgaatcc ctttaagcatc 120
 taaagggcca gggcaaaactc aataagtggg atgccaaatg ggtagagtat ctagagcaat 180
 ttccttatgt gatcaaacad aagcaagaca atgctaattg tgtggctgac gcctcttcta 240
 ggaggtatta tttactttcc atgcttgaaa ctaagatgct tgcatttgat catataaaga 300
 agttgtatgc ttgtgatgat cacttcttta atttgtttta attatgtaaa aaggtgtgctc 360
 ataatagata ctttagacat gatgggtacc tattcaaaga taagcaattg tgtgtgccta 420
 agagttccat gcttgagttg tttatt 446

<210> 14530
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14530

agctntgaaa catacatcat gggtatattat tgttgcaatn gctnagnagaa aagncatact 60
 aggtaaccat aaggatgcat ggacatttgg agcggttgat cccaatagtg gcactgcagc 120
 actgcttgag gtaacaatgg atttgtttgt aggcattgct ttgcttattt atatcaaacc 180
 aatggcaciaa gtgacatgac tcatgaaatt aggtggctca aaggctacgg aagcttcaga 240
 aaaaaggggtg gagacctaga agaacaattt tattatgtaa ttgggatgct gaggaatatg 300
 gcctctgaat tntctttact tctttngtct ctccttgnta ctcacaaagg tgtgtgcaac 360
 atgaaagttt gat 373

<210> 14531
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14531

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 atcgagacgc tcgaaattca aaataaacct ctcagcaaaa tgaaacgaca ataacttttt 120
 actcgaatgt ccgaatgaat cccgtaatat atcgagacgc tcgtaactga aaacagaagc 180
 tctgagcaaa ttcaaaagat aataacgttt tactcgtacg tccgattgtt tcctgtagta 240

tatcgagacc ctcgtaattg aaaccagaag cccgtagcaa actcaaacgg caataaatTT 300
 ttactcggat gcccgatga atcccataat atatcgaggc gatcgtaatt gaaaacagaa 360
 gctatgagca aattcaaacg acaataactt tntactcgga tgaataccgt aatataatga 420
 gacgctcgta attgataaca aaagctctga gcaaattcaa acgacaataa ctnttttact 480
 tgatgtccga atgttcccgT agtatat 507

<210> 14532
 <211> 435
 <212> DNA
 <213> Glycine max
 <400> 14532

gattgccgct caagacattt atagaacatg ttgaagatat ttgttattga tgatcattaa 60
 gtgttaattta ccttatttat tttactgaca ctcttagttc atttatgata tgtttctaaa 120
 tttttgtgct ctatgtttgc atgaatattt gtattagaat aatgttagca ggttttgttt 180
 tgaataaaga cattatgttg tatcaattat gtactcctaa ctaatgatca ttttaggag 240
 aagactaatt tgtaatacat ggaaggaaact atgtagatta agtgatgtac aaccgccacg 300
 acttgaattg gtttctattt ttaataatga aattatgatg tatccaatgt atagaacaat 360
 ttactcatct taatgtgcat tatgttagtt taatctattt atctatatag accacaacgt 420
 gtagtaatgt tacac 435

<210> 14533
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14533

actcagcttc tatccaggct catcttggtg gtgaagctct ttcttctgt cttattccct 60
 agtggatgac gccgcctctt acctcttctc ctttgtcttc cgtgcatct ccagggtggaa 120
 aatcaccatt aaaggacctc attgaagctc atagatccag cctccataga agctccacaa 180
 gcaagcttcc atcacatggg caaaggctgt gtccactatt ctttgtaaT gttagaatag 240
 gttttccttc ttttgggctt tgtattttga tgcaatctta cccccaagc ttattggata 300
 gaatactcca agaggattgg gctagagcag ctaaagaagg ccctaggatt ctcatgaacc 360

tcagggtaga tttctgagcc catgggccaa ggctgggtcc actcttcttt gtaaataatta 420
gaataggttt tctttctttt aggccttgta tnttgatgca atcctacccc tcaagcttat 480
tggatagaag act 493

<210> 14534
<211> 499
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14534

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actcgggaagt ccgattcggg cgcataatat attgagacgc tctcgtgaaa ttcaaattgg 120
cataactttt cactcagagg ttcgattcag ggcataata tatcgagagg cgcataattg 180
aacaacggaa gctgtcgaga aatacatatg gtcatacctt ttaactgcgg agttctgatt 240
taagcgcata atacatagag acgctcgaaa ttgaacagtg gaagctctcg agattttcag 300
aggggcataa cttttaactc ggagggtccga gtcaggcgca taatatatgg agacgctcaa 360
gattgagcta cggaagctct cgagaaattc acatggctcg aacttttaa 409

<210> 14535
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14535

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ctcttgtaaa tgggagagaa attttcatct aaagcataca agtccctgat attatcaaatt 120
cctaaaattt gagctcctag ggagcaaaac aatgtgtggt tcctagagag ggcattcaact 180
accacatttg tttttccctt tttgtatttg ataacatatg gaaatttctc taggtactct 240
acctattttg catgcctctt gtttaacttg ctttgccctc taatgtactt aagtgattga 300
tgatcactat gaatgacaaa ttccttggaataaaggtaat gttcccaagt ttggaggact 360
cttattacgg cataaaactc tgtatcatag gtggggtagt tgaggagggc actatgaagt 420
ttttcactaa aataagcaat aggggtgccca ccttgtaaca atacaactcc aactcccact 480

ccagaggcat cacattct

498

<210> 14536
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14536

agaaactaag cttacttgcn agaataccaa gaaattcctt atctgtcttt ctatcatatt 60
tcctatgttn tcttttccat tgtttaatac aaaacacttg caaccaaaga catgaagatg 120
tgagatgtat ggtttcctac cattgaacaa ttcatatgga gttttcttta agatgggcct 180
tattaaagcc ctattcatga tgtaacatgc agtattaacg gcttcagccc aaaaatattt 240
tggaagagga atatcattca ttaaggttct agcaatttct tccgaagacc tatttttctt 300
ttcaacaact ctattttgtt gaggggttct aggtgcagaa aaattatggt caatgccatg 360
cttttcacaa aataaatcaa attctttatt ttcaaactca cccctctgat cactcctaatt 420
agatataatt ntaggattnt tcttattttg aataactttt gcaagtttcc tanatgcttg 480
aaatgcatca ttcttatgag tgataaatag tgtccaagtg tatctagaat agtca 535

<210> 14537
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14537

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tgtaatttgc aacctgcaca atcagaatct ctatatcttg actcatccac tgatttacct 120
ttctcatcta agtcaaggta gggtgaagtt gtcgttggag tatatggttc ttctgcattt 180
ttatgcaaaa tttcttaatt agttctataa agtatttggg ttgacatang aaggttccat 240
gtttcatcta ctggacttgg agtccaagga agaaatttaa ctcacccatc atagacatct 300
caaattcctt ctacatacaa ctagaaaatt ccttacacaa aatttcatta ctagcaccaa 360
atataatatc atcaacatat atttgaacaa ttaacaactc actatttact ttcttaataa 420
acaatgtttt gtcaacttgg cctctagtga aagaatgctt aattataaaa ctgtttaatc 480

tatcatacga tgaccttgggt

500

<210> 14538

<211> 535

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14538

tactcaagct tggatgcttg tccaanaggc aaacaagtca aagtcncttt tttataaaaa 60

ggtgtaagtt tctacatcta aaccttttga actttttacac ttggacttgc ttggccctc 120

tagaactatg agtttgagag ttgactatta tgctcttgtc attgttgatg attactcaag 180

atttacgtgg actttttttc ttgcttttaa aagtgttgct tttaaagctt tcaagaaact 240

tgcaaaagtt attcaaaatg aaaaagattt gaaaattaag accttgagaa gtgatcatag 300

aggatgaattc caaaatgaag atttttaaac tttttgtgaa gaaaatggga ttacacgtga 360

tttttctgct actagaactt cacaacaaaa tggggctgca gagaggaaaa atttgtgttt 420

gcaagaacta gcaagaacta tgtaaataa aactaactta gcanattatt tttggacgga 480

tgccataagt acaactggct atgtttctca tagggaattt aataatacct attta 535

<210> 14539

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14539

tcacattgaa ttagcaccta aggcataatg atggtttngt gtatcttaac ataagagatt 60

tcagatggac tttgatccta atcccacagc cgaccttttc acgagatctc tacttaaccc 120

tttgggttaa tgatcggcca aattctgctg agttctcaca aactccactg gtatcacacc 180

atgcatgatt aactcccgaa ccatgttggt tctaacaccc aagtgtctag acttccatt 240

atacacttga ctatatgcct tagccaaagt agcctgacta tcgcacctga tagacatggg 300

aggatatagg ttggggcaca atggaatctc atagatcaga tttcttagcc actcagcttc 360

tttaccagct gctgctaaag ctacaaattc atattccatt gttgaaattg taatgcagg 420

ctgtttcttg gatgcc 436

<210> 14540
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14540

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 ttagagaagt ccttgatgaa cctcttatag aaccctgcat accctaggaa actcctgatg 120
 cctttaacat ttgatggtgg tggcaacttt tcaatgatat ctatctttgc ctgatctacc 180
 tcaattcctc gggctaaaat tttatggccc aagactatgc cttcttgaac catgaagtga 240
 cacttctccc aatttaacac caagtttggt tctacgcacc tttgtagtac cattgagggc 300
 cttacactgg aatggnggta taagaactga ttgaaaaagg ggtgaaagaa agaaatggag 360
 aaaatggtga aaa 373

<210> 14541
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14541

accatgaccc ttgctcaaag taanttaatt acctcctaag tttaaagacc cagttagttt 60
 tttgtaccat gtgttattgg atacacgatg tttgaaaaat cctcgtgtga tttgggggct 120
 aatgttaatc taatgtccct attntaattg tttcaaaaag cttgctattg atgagctgca 180
 acctaccata tgttattgca aaagacgaat cgacccgtca aacatcctgt gagaattgtg 240
 gaggctgttc cagttaagat gaggggttgt tctattccat gtgattttgt ggtgttagaa 300
 ataatggagg agacatncaa aatctccatt atcttaggta aacccttctt atcaacg 357

<210> 14542
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14542

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 tccaaagacc ctcagggtgt gtgttgatgg cttcttcccg ttccaagctt caattggagt 120
 cttgtctttt acagacttag ttagacatct gttgagtatg taaacagcag tgtagactgc 180
 ttcagcccag aatgtgttag gtagtccctt atccttgagc atcgatctag ccatttctat 240
 aactgtgcca tctcttctct tggacactcc attntgttca ggagaatatg cgactgtaag 300
 ttgtcgtca ataccttcat cctcacaaaa tctttcaaac tagcgagagg tgtactctnt 360
 gccgcgatca catcttagta cttttatcca tttccactn tgattntcag caagggcctt 420
 gaactctttg aatactccaa agacttctga ttnttctttt agaaaatata cccatgtcat 480
 tct 483

<210> 14543
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14543

aaaaaaactc tagattctca agtcataggc atttacaaca acgatcacat tagagaggtt 60
 gaataatata ttaataaaaa ataataactt ttgcaaata aaagttttat cacaggttta 120
 gaaatatata tgnnttgag tcactactc atcagtaaaa taagtttaat aaaacatagt 180
 ttgatcatcc aatatatcta tgaagtaata tttccaaaaa aggtttttta gaaaacactt 240
 ggtcagaaaa aaaggtaaca aagaaaacta agataatact taataaaatg gtttaataga 300
 gatatattag catttgattt gtactagttc acttaaataa aactaccttc aattcttctt 360
 tacacaacta taaagggttc cattaataaa aaaaactttg attacaaata agtattttgt 420
 cttgtcac 428

<210> 14544
 <211> 440
 <212> DNA
 <213> Glycine max
 <400> 14544

tctgatatg acagtcaccg ctttatgagc actgtacacc agcagcgctt cgaggccatc 60
 aagggatggt cgtttctccg ggagcgacac aaaatataag caaaaaaaca cttcacaaaa 120

tatatatatg tatgttttagg tagtgaaaat accttagata tgcattgtatg taagcaaaaa 180
aacacttcac aaaatatata tatgtatggt taggtagaaa gataccttag atatgcatgt 240
atgtaaacia aaaaatactt cacaaaatat atatatgtat gtttaggttag aaataacctt 300
ggatatgcat gtatatagca aaaatacctt acaaaacata tatatgtatg ttttaggttagc 360
aagatacctt gcatatgcyt gtatatagca caaatacctt acaaaaatat acacatgtgt 420
aggtagcaaa atacctcatg 440

<210> 14545
<211> 514
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14545

ntatctntta agatctttaa gtgcagaatt tcaggaataa tttatatctc atccagcgca 60
agttgctgca gccagatac gcacactgct atataaacat gaaggctgca cgagttctgt 120
accaagtccg ggattgaaga gttattttgt gagttttggg acttgagtgt tttgtgagcc 180
accttgatgt caccctaaca tcaagtgttg gacctgagtg tgtagagttg atctctattg 240
ttcagagagc aatctctggt gtgtatttga ttttaactgta aacacgggag agtgattgag 300
agggagttag aggggttctc atatctaaaa gtggctctta ggtagagggt gcacgggtag 360
tggttaggtg agaaggttgt aaacagtggc tgtttagatct tcgaactaac actattttag 420
tggatttctt ccctggcttg gtagcccca aatgtagggt acgttgcacc gaactgggtt 480
aacaattcac ttgtgttatt tactatgtta atct 514

<210> 14546
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14546

ttgaattaga atttcaaag attttaaaag acttttttaa tcaggatttt ataaaaaaaa 60
gtcttggtggt attcaatcat gatttttata tagtataaat aagtattttg ctattcaatt 120
aagacatttg agatttttta aggaagacaa caaatccgg ttgtatttaa tcgggatttt 180

ttttataact tataaaaaagt ctttttggtat taaaaaatat atgaattttg atggattttt 240
 ttaaagaaga tttttgatag atttcattga attttactag attttttctt tctttttcta 300
 nttggtacca gactttattt tctctcatcg tcacacatan ccgcttctct cttaaatatt 360
 ttttaatatata cgtgtgttat atatatattgc cctattc 397

<210> 14547
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14547

ctgggttccaa tgctctgttt aggcctctccc atatcttatg taaatctagg atctttatca 60
 gacactatgc tagatgacac accatgtaat ctgataatct cactaatata caaggaggtc 120
 aacttctcta aggtaaatat gatattaatg ggaataagtg agtagacttg gtcagtctgt 180
 caacaataac ccagatagaa tctacacctc taggggttct aggtagtcct acaacaaaat 240
 ccatggaaat actgtccac ttctattggg ttatctccaa gggcggtaac ttcctgaag 300
 gtctctgatg ttctatctta gccttctgac agactaagca tgcatacaca aactcactaa 360
 cctctctctt catgttgggc caccaaaaca tcatcttcaa atcctgatac atcttggtag 420
 caccaggatg gatgctcang ttactctat gtccttctc tangatcctc ttcctatg 478

<210> 14548
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14548

atgntcaaag gacactttat atcccttttt aatcaactga cctacactca gcaagttttg 60
 gtcaatgtta ggtacataaa gaacatttga tattaatttg gtacctgaac acgttgaaat 120
 tgcaatagtt ccttttctt ttactggaat atagccacta tttccaattc taacctttga 180
 gacactagtt ggcttcaaat ctttgaataa agtcttatca tatgtcatgt ggntcgtaca 240
 accactatca atcaaccaac tttcacttga ttcgctactc aagaagcatg tggccacaaa 300
 cagttgggtcc tctcttctt gattagcaat ctgagctccc tcatcatggt gaattttgtt 360

gggcgcagatc accatttcat gccctatctg gttgcacttg ttacattttg c 411

<210> 14549
<211> 408
<212> DNA
<213> Glycine max

<400> 14549

agcttgctaa cccatggaag ctccataatat ttcttacact ttttggggtg ggccattctt 60
ggatggcctt gattttctca aggtccactt ggacccatt tctaccaact acaaacccta 120
agaaaactat attatctaca caaaaagtac atttctctat atttacatag aggggtgtttt 180
tcctaaggac tgaaagaact tgcctgagat gtcctaagtg atcatctagg cttctactgt 240
aactaaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttagacat 300
gatgcataag ctttataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360
attcatacaa accaaacttg gtcttgaaag cggttttcca ctcacac 408

<210> 14550
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14550

gacacganna ataagataaa tagagtgttt aatggcataa aaccaatatt gttttggtaa 60
ttgagattga aacattaaag cccgggcaac atttaaaata tgttgatgct tacgttcaac 120
acgtccattc tgttgaggag catacacgca actagtgtga tgtataattc cttttgaaga 180
gaataaatct ttgagaagaa attatgtgcc gttgtttgaa cgtatgcatt ttattttgga 240
atcaaataga ctttctatta gaacaatgaa gtgttgga cgtgttttaa cctcagattt 300

<210> 14551
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14551

tcacaaatat catttcatgt tctagtaact ttccaaacaa agtagcaaga gacatattag 60

atagatctcg cgattcaata atggttggtg ccttgggttg ccattccctg ctttaagcatc 120
tcaaaacttt atttggaaat ttttttccta aagatgcaag atgattaatt atgtgtgtga 180
acctcttttg catatcttgt atgctntcat ctggattcat tctaaataat tcatattcat 240
gggttagtgt atttatccta gatcttttta catctgttgg accttcatgt gttacctata 300
gggtatctca catatncltt gcacttctac aatttgatac cctaaagtac tca 353

<210> 14552
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14552

catgcaagct tctaaacttt atacaagaan gaagcncctga taccacttgt tggacttttg 60
gcctcagana tcttaagaag gggggggggg ttgaattaag atatcacaaa ctattcccca 120
attaaaaaat tctactttta atntaactaa acaacccaag attcctttta aaaaggaact 180
cctaaataat aatgcaaatt aatcttacta aataaaaaata aaaagaaata aacactaaag 240
gagtttaagg gaagcgaaaa tgcaaaactca gatttatact gggttcagcca cacccttgtg 300
cctacgtcca gtccccaagc aaccgccttg agagttccac tatatttcaa aatcccttta 360
caagatctga accacacaag gacaatcctt cctttgtttt catatttctt tacaac 416

<210> 14553
<211> 438
<212> DNA
<213> Glycine max
<400> 14553

agcttatgct gcaaataatt tacttttagac tttttctaac cttatgtatc aaaaacaacc 60
acagcagagc aattatgacc tttccagcaa cagatacaac cctggatgga ggaatcacc 120
taacctcaga tggcccagcc ctccagcaaca acaacagcag cctgctcctt ccttccaaaa 180
tgctgctggc ccaagcagac catacattcc tccaccaatc caacaacagc aacaacccca 240
gaaacagcca acagtggagg cccctccata acctttcctc gaagaacttg tgaggcagat 300
gactatgcag aacatgcagt ttcagcaaga gaccaaagcc tccatttaga gcttaaccaa 360

tcagatggga caattagcta cctaattgaa tcaacaacag acccagaatt ctgacaagct 420
gcctttctcaa gctgtcta 438

<210> 14554
<211> 532
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14554

ctcagcttgt ggccttggat cttcttcac aatggagtc ttttcttctt gtttatcaat 60
gacagnggaa tgcagaagga ggaaaggtag ttggagatgc cacttcaagg agaagagagt 120
caagaacaag ttcaccacca taggaagcca tggataagag cttgaagggt ggagaagatg 180
agtggagggg gagggagaga atgggcacga caattatgcc tcgaatgagg tctaaaattt 240
gaagtgtaat ttctcaaag atcaaagtag aaataatgca cacaaaaggc ctctatttat 300
agcctaagtg tcacatgaaa ttggagggaa atttgaattt tattcaaatt tcacttgaat 360
ttaaatttgt ggagctaaat ttggagccta aagttcacta attatgatta gtgaatttta 420
gctatgggtt aggcactaa tccaagatca agtccaagat tctccactga gtgtgtngtt 480
attcgtcttg tacgactaac ttttgcatag aaaaatattt tcaaaatag gg 532

<210> 14555
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14555

agcttatgct gcannaattt tatagacctt tctaacctta tcagcaaaat caaccacagc 60
agagcaatta tgacctctcc agcaacaaat acaaccctgg atggaggaat caccctaacc 120
tcagatgggc cagccctcag caacaacaac agcagcctgc tcttctcttc caaaatgcta 180
ctggcccaag cagaccatac attcctccac caatccaaca acagcaacaa cccagaaac 240
agccaacagt tgaggccctt ccacaacctt ccctcgaaga acatgtgagg caaatgacta 300
tgcagaacat gcagtttcag caagagacca gagcctccat tcagagctta accaatcaga 360
tgggacaatt ggctaccaa ttgaatcaac aacagtccca gaattctgac aagctgcctt 420

ctcaagctgt ccaaaatccc aaaaatgtca

450

<210> 14556

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14556

atagaactct ntacatatca aatacattcg ttagaataaa tgaaacaaat tagataaagc 60

agaagctcat aataacactt tcacaagtta agtatgggtca aataactgac atatctcaca 120

ttagaagggtg aaacataaca ttttcttgcc tccatatacct atcttgcac taaactctgtg 180

atagaagctt cattgaccga ccacagtttg tgatttgccg acgaagaagt tgcttcagat 240

gtaacatttg ttccggagta aaagccagga gccattggct ntggcaacaa tttatcacca 300

ctcaacattg aaagaactga tgacatgtgt ggcatatctt gtgggtctttg ttgcacacat 360

aataggccta cctgtatgca tcgtatgact tcatagggct tacattgttc tectaccaca 420

tcatccagta gttccagtgc cctatcttca gtccataat 459

<210> 14557

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14557

cacactcttt ataacacact ctcttctgtt ggtcctcaat agatggagaa ctataaaatc 60

agaataatga ctgatcatat gagtagtggg acctgtcaaa tttgtgattt ttaagaaata 120

tgcgccaaaca aaaaagagtg gtcaagagaa tgtgttatag acagaggagc taccatttct 180

ctgttttagga atggtgttng tagctattag tgaaaataga aatagagaat attttcctta 240

tgtcaaacag gcttctgcat tactatattt agttattaca acatgatgat agatcattat 300

atattttttc tttctataaa acaaatgatt tctttattga cttgggggtgg tgtatataaa 360

aacttatcaa cacattttac ttttctttct atgcctgttc attccaatgt acaaatgatt 420

ggcttatgat gcaacaaaat ctatatcagg aactaactag ctcttttaat at 472

<210> 14558

<211> 524
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14558

cgcanagcag tagtacttgt aatagtgact cctcatgttt ttttctttct cagcaaaaagt 60
 ggtgaacttc tctctaactt ttagacaagg gtacaacaaa ctatgaattt ctctctaac 120
 tctcagtttt tattttgcac tttttattta ggtcataaat ataacgatga gggatagtaa 180
 aaataaaaagt gtactagtag gtaaaatatg ccatgaaatg aaaatagata atttcacaaa 240
 tatctatggg ttgcagtaaa ataaattatt tttcctctac ttgcttatta atgaagcatg 300
 gataagtaac aatgtacacg aacctacggg tacagtaatt tgaaattact taatttggtc 360
 taatttaatt aaaatataaa taattcagaa ttattttatt ttagtttaaa tatatgtttg 420
 aaaagtattt aattttttat aatacattct tcaaactntn ttagttntat ttaattaaca 480
 gatattcagg tataaccgta gatatactca caaatatnta taaa 524

<210> 14559
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14559

ctcagcttga atgcctattc atggagttgc aagaacatcn ctgatttatc aacactngca 60
 cagnggccaa agatgcatgg gagatcctga acatcactca tgaaggaacc tccaaagtga 120
 agatttccag attgcaactc ttggctacaa aattcgaaaa tctgaagatg aaggaggaag 180
 agtgtattca tgacttccac atgaacattc ttgaaattgc caatgcctgc actgccttgg 240
 gagagaggat aacagatgaa aagctggtga gaaagatcct cagatccttg cctatgagat 300
 ttgacatgaa agtcactgca atagaggatg cccaagacat ttgcaacatg agagtagatg 360
 aactcattgg ttctcttcaa acctttgagc tgggactctc ggatacggct ganaagaaca 420
 gcaagaatct ggctttcgtg tccaatgatg aat 453

<210> 14560
 <211> 473
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14560

actcagctta acatcagacc acttccaggg tgctggaact atttcacatg gtcttgatgg 60
ggcctatgca agttgaaagc cttggaggaa agagggtatgc ctatgttggt gtggatgatt 120
tctccagatt taccgggtc tactttatca gagaanaatc agacaccttt gaagttactca 180
aggagttgag tctaagactt caaagagaaa aagactgtgt catcaagaga atcatgagtg 240
accatggcag agagtttgaa aacagcaagt ttactgaata ctgcacatct gaaggcatca 300
ttcatgagtt ctctgcagcc attacaccac aacanaatgg catagttgaa aggaaaaaca 360
ggattttgca agaggctgct aggggtcatgc ttcatgccaa agaacttccc tataatctct 420
gggctgaagc catgaacaca gcatgctaca tccacaacag agtcacactt aga 473

<210> 14561

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14561

agttgagcat ggtaaaaaga ttcgtctttt ttctcttaga ggtgactntg agcgtttggt 60
tatggaggag tccgagtcaa tttctgatta tttttctcga gtattggcca tagtcaatca 120
acttaaaaga tatggtgaag atgtcgatga ggtgaaggtc atggaaaaaa tacttcgaac 180
tttaaatctc aaattttgac ttcatgggta ccaacattga agaaaacaag gatttaaaga 240
ccatgactat tgagcaactc atgggttcct tacaagcata cgaagcaaaa caaaagagaa 300
aaattaaaca aaaggaggct acggagcaac tactacaact caacgtaaag gaagcaaaact 360
atgcaaatta caagagccaa agaggacgag gtcgcggcca atatcgtgga cttggactat 420
gacatggagg ag 432

<210> 14562

<211> 258

<212> DNA

<213> Glycine max

<400> 14562

aacctataaa gactatatta tctacaccaa aggtacactt ctctatattt gcatagaagg 60
 tgtgtttcct aaggactgaa agaacttgcc tgagatcgcc taagtgatca tctatgctcc 120
 cactgtacac tacaataatc tcaaaatgaa caactacaaa tctacctatg aaatccatta 180
 acacatgatg cataagcctc ataaaggagc ctggtgtggt agtgagccca aaaggcatta 240
 ctaggccattc atacaaac 258

<210> 14563
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14563

taagcacctc tntccttacc tcttccttca ttgttggtgc tagccttctc tagggttgtc 60
 gaactggcct atagtcttct tccatcatta tcttgtgcat gcagtagaca gggctaatac 120
 ctttgagatc tgatatatgc caccacaatta cttccttgtg tttcttcaga atttctacta 180
 acctatcttc ttctttggat gtgagtgcac tgctgatcac cacaggctta gcctcatctt 240
 cttccaggaa aacatacttt agatgggttg ataatatctt taattcttcc ttcttcttct 300
 cagatggagt cttgctcttt agttcctcaa atctggtttc ctcttcaggg atgctatctt 360
 atcaatccaa gtcttctaag caagccttga gatcttcttc ttcttctactg gttaggcaat 420
 ctaccgcatt caccatg 437

<210> 14564
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14564

agctngagaa tggaggattt ccttgagggt cctctcttag gcaatcatgg aacacagctc 60
 caaactcaaa aatggaggac acatgaatga caacgcaatt cattcatggg gctccgaaaa 120
 agggtaagaa tggaggattt gcttgagggt cctctcttan gcaatcatgg aacacaactc 180
 catactcgaa agtggaggac ccacgaacag gctaagcaa taacattcat gtggctccga 240
 aaaaggatga gaatggagga ttgcgttgag ggtcctatct tangcaatca tggaacacag 300

ctccaaactt gaaaatggag gacacatgaa tgacaacgca attcattcac 350

<210> 14565
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14565

gttgccaatn tagttntcgc tagcgaaagg atcgaagtgg gtctgaanag aggcaaatta 60
 gatcatctta ctttgataaa taagaagcct gcgggcaaatg gagagagtaa gaatgagggga 120
 ggtgttatac aagtggcctc agatatctta agaagggggg gttgaattaa gatattccaa 180
 acttttctcc taattaaaaa tctatcttac tttttactaa agttatgaat tcccttaata 240
 acaatcttct taaatattaa ttcaaagaa gcaacttgaa tatgaatata aagcaataat 300
 aaataaagga gattaaggga agagaaaatg caaactcagt tttatactgg ttcgggccaca 360
 cccttggtgcc tacgtccagt cccaagcaa cccgcttgag agttccacta acttgatanat 420
 tccttttaca agttctaaac acac 444

<210> 14566
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14566

tactcagctn tactctctgg taatcgatta ccagaggatg taatcgatta ccagtggcct 60
 aatacgttnt ataacagcta taaaaatttg aattcgaaat tttaaaagct gtaatcgatt 120
 acacaattgt ggtaatcgat taccagcagt tagtaaacgt ttttaattcaa attttaaaag 180
 cttgaatcga ttacacaatt gctgtaatcg attaccagac aggaatttca gaanaataat 240
 ttcaagagtc acaacttttc aaaggcttta ctcatgacca ccaatggtct atatatatgt 300
 gacttaaaca cgaaattgct cagagatttt cagaacaaca aagtgtttat cctctcaaaa 360
 agcaatttca 370

<210> 14567
 <211> 318
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14567

catttacctg ggggtgaaaaa caagaaccag cctttggttt tctcaaagaa aagcttacta 60
aggcaccggt tetaactttt cctgactttt ctaaaacttt tgaactaaaa tgtgatgcct 120
ctcagtgagg agttggagtt gtattggtag aaggtgggca cctattgct tattttaarg 130
aaaaacttca tagtgccacc cttaactacc ccacctatga taaagagctt tatgccttaa 240
taagagccct ccanacttgg gaacattacc ttggttccaa ggaatttgct attcatagtg 300
atcatcaatc acttaagt 318

<210> 14568

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14568

tgctctgttt aggctctccc anaatctaga tgtaaatacta ggatctttat cagacactat 60
gctagatgac acaccatgta atctgataat ctactaata tacaaggagg tcaacttctc 120
taaggtaaat atgatattaa tgggaataag tgagtagact tggtcagtct gtcaacaata 180
accagatag aatctaaacc tctaggggtt ctaggtagtc ctacaacaaa atccatggaa 240
atactgtccc acttctattg ngttatctcc aaggggggta acttcctga aggtctctga 300
tggtctatct tagccttctg acagactaag catgcataca caaactcact aacctctctc 360
ttcatgttgg gccacaaaa catcatcttc aaatcctgat acatcttggt agcaccagga 420
tggatgctca nngtactcct at 442

<210> 14569

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14569

agcttagccc actagaacta atgatgctaa ttgtgttgca gattttgtca gatctaactc 60
ggtttgcatg gttggagtac cttaaagcaat cgttactaat caagaaaccc gtttttgcaa 120

caaatcaatg catgccttgc ttaaaaagta cccgggttgta catagggtat ccacaccata 180
 ccacccccaa accaatgaac aggtagaaat ttctaacagg gagatcaaga gaattttaga 240
 gaagattgtg tagccaagca ggaaagattg gagtaccagg cttgatgatg ctctntggga 300
 acatcggaact ggctacaaag caccat 327

<210> 14570
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 14570

attcacggat gtctaattga gttctgtaat atatcgagac gctgcaaatt gaaaacggaa 60
 gctcgtacga aattcaatcg acaataactt tttactcgga tgtccgagtg aatcaggtaa 120
 tatatcgaga tgctcaaaat tgagactata agctctgagc aattgaatga caataacttt 180
 atgcacggat gtcctattga gtcccgatgat atatcgagac gctccaaatt gaaaatggaa 240
 actcttagaa aattcaaacy acaataactt tttactcgga tgcccgacag agtgtcgtaa 300
 tttatcaaga gatgctccaa attgaaaacy gatgctcgta tcaaattcaa acgacaatga 360
 ctttttgctc ggatgaatga tttagtcccc gaatatatcg agacactcaa 410

<210> 14571
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14571

agctttagt ctcaattnta gcgtctcgat atattacca attcaatcgg acatccgagt 60
 aaaaagttat tgtcatttga atttcctacg agcttccgtt ttcaatttgg agcatctcga 120
 tatattagag gactcaaccg gacatccatg tataaagtta ttgtcaattc aattttctta 180
 gagcttcgga ttaaaatttt gagcgtctcg atatattacg ggactcaatc agacatccga 240
 gtaaaaagtt attgtcgttt gaatttgata cgagcttctg ttttcaattt ggagcatctc 300
 tcgataaaat acgacactct gtcgggcacg cgagtaaaaa gatattggcg tgtgattttc 360
 taagagtttc gtttaatttg gagcgtctga tatattacgg gactc 405

<210> 14572
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14572

cttaagtcac cgcgggcag caagcttgct cctctgctg afatttatca ttctacttt 60
 ctgatgatga ccgaggaaca attagggatc aactngaaac ttatgtgctt caagtgagaa 120
 gaaatgcttc tttttccact agcgaagatg ttcaaagtct ggctatgaag atgggttcaaa 180
 ctgagaagca tctgggtattt ccattggatt ataaacttat tgagctagct atgatattgc 240
 cgggtgtcgac agcatccgtt gaaagagctn tgtcagcaat gaagattatc aagtctaaat 300
 tgcgcaataa gatcaacgat gtgtggctca atgactggat ggtgtgttac atcgagcggg 360
 agatattcaa gtcgcttgat gatattgata tta 393

<210> 14573
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14573

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 tncattttcca cctagagcaa ttccaaacaa aaagatggaa gaagtggata aggagatctt 120
 ggagaccttc aagaaagtag aggtgaacat acctctgctg gatgccatca agcagattcc 180
 aagatatacc aagttttctaa aggagttatg caccacaaaa aggaagctca caggcaataa 240
 aaggattagc atgggcagaa atgtgtcagc attgataggt aaatctgttc ctcacattcc 300
 tgagaaatgt aaggaccag gtactttttg tataccttgc attattggga acagtataat 360
 tgagaatgtc atgctagatc tangagcatc agntagtgtc atgcctatgt ccatttacia 420
 ttcttttatct 430

<210> 14574
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14574

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tgcgctttac aagttgccat tgcgggttcc caaagatgac caagaatatg ctggtttatg 120
gngaggaact tttggttggc ctccctggana gccttctgaa gacaagcctg ganaggctnt 180
attctttctt ctgctctctt atgaggagt ccagggacaa cagcttctca ttqcaacaaa 240
aattttggaa ggcacacact atgtgttaca tccaaacggg tcagcaatgt ttacagcana 300
tatcaatgat ctttcacccg aaccctttcc ctgggacact gatgcagact cngttccagt 360
gaatatcaag caagc 375

<210> 14575
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14575

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caagaggaat gcggatcatg ttgccaagag tttggataag gaagggatc gcgtgactac 120
tttgcatgga gggaagtcgc angagcagag ggagattagt cttgaagggt ttaggaccaa 180
gagatataat gttcttggtg ctactgatgt tgctggacgt gggattgaca tacctgatgt 240
ggctcatgtc atcaactatg atatgcctgg gaatattgaa atgtacacgc accggattgt 300
gcgtactggg cgtgcaggaa agacgggtgt ggctaccacg ttcttgactc ttcaggactc 360
tgatgtcttc tatgacctca agcagatgct tat 393

<210> 14576
<211> 388
<212> DNA
<213> Glycine max

<400> 14576

gggttacact aagaacacaa accctatcct gaaatctcat tactccatta ggccccactc 60
taaaactact ctctctccct gtgactatgg actctaactg ggctgacaag aatgggtcag 120
acttctgacc ctcacggatc tcgctcaaga gttcgtgtgt tactctcaac ataccaaact 180

taatgctact agaggtgatc tcacatgcc aactcatgtc tctaaactgc tctaagaggt 240
ctaactctct aaccatcaaa gcagacatct gaagggattt cctactcaag gcatcagcta 300
ctacattggc tttacctggg tgatagctaa gctcaaaatt gtaatcctta aggaactcta 360
accatctcct ctgcctcatg ttaagctc 388

<210> 14577

<211> 313

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14577

cgatccttaa gtcacctgcg gcatgcaagc tntgacaatg caatctttcc canaacttta 60
tcatggtcac gttctgagcc tcccatttct gtgtgcaaag atctaagctg tttctcanag 120
tcctttctaa gatactctgc ttgattctc tggcgttgcg cttcatcttg cttttcccat 180
aactcatgta gttttagagc aaattcatgc atggcctctg ccaccccagt ttctgatatt 240
ctactcattg catgattcca atcattgcaa attataaaaa ctgggtggggc atcaagctga 300
cttggagaga aag 313

<210> 14578

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14578

agctngaagg caaactggat gcgttggtct tcttggttac ccagctggcc ttgaatcaga 60
aatatgtacc tgtcgcaagg gtttgtggtt tgtgtcctc tgttgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcanata 180
tttaccatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa cagatacaac cctgaatgga ggaatcacc caacctcaga tgggtccagcc 300
ctcagcaaca acaatagcag cctgtcctt ccttccaaat gatgctggcc caagcagacc 360
atacaattct ncaccaatcc aacaacatca aca 393

<210> 14579

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14579

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ttaaagtcacc tgcggcatgc caagcttgaa ggtgcgntag cccaccattt ttcatagtat   60
aahactgata atctatctac tatcathacc atncttctc cctcattcag gtyccacttc   120
agttgccagg tctctccacc tttgggcgta ttctttgaaa tatctgtgcc cttttttgca   180
catgtttctgt tgttgcatcc tatccggaac catatcaaaa ttgtactgat actgcctaata   240
gaaggcaacc attatgtcct tccaagagtg gactcgagaa ggttccaggt tagtgtacca   300
ggtaacagct accccagtcga gaatttcttg gaaggaatgt atcagcagnt cctcatcttt   360
tgcgcatgcc cncatcttcc gataatacat cttt                                     394

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<210> 14580
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14580

```

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aggtaatatatt gtagccgatg ctctttctcg gcgtcatgca ttactttcta tgcttgaaaa   120
aaaattgatt ggtcttgaat gtttgaaaag catgtatgaa aatgatgaaa cttttggaga   180
aatttttaaa aattgtgaaa aattttcaga aaatggtttc tttagacatg aaggctttct   240
tttcaaagaa aacaaattgt gtgtgcctaa atgttctact agaaatttgc ttgtttgtga   300
agcacatgaa ggaggtttta tggngcatt tgggggtcca aagactctag aagcattaca   360
agaacaattn tatatgcctc atatgagaaa ggatgtgcag aaattttgtg aacattgcat   420
tgtatgtaaa aaggcaaagt ct                                             442

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<210> 14581
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14581

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aaaggatggc atggccacta gctgccatgt tttcaatcaa ctccgtaact tcatcaagtg 120
ttttcaattt gatctttcca ccagtggaag catcaagtaa ttgcttcgaa tggggtcgca 180
agtcatcaat gaatatattt aactgaatcg actcgctaaa cccgtgggta ggagtcttcc 240
ggagtaaac atggaagtaa tcaaaactt tactaagtga ttcatcggg aatttatga 300
ataaagagat ttccacctt cctcagcgg tcttggaactc tggaaaatat ttctttaaga 360
acttctccac catctcttct tatatctgca agttatt 397

<210> 14582
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14582

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ccgtggctat acgagacatc ttgcaaaca aagtcagggt agccataact cgtctgtgct 120
ttntcttaca tgccatatgt agcaaagtca ttgatcctgt cacagttgat gagctgcana 180
atgaggecgc acttatactg agcctagtgg agatgtattt tctacctgct ctctttgaca 240
tcatgattca cttgattgtg catctggta gagaaatcaa atgttgtggc cctgattatt 300
tgcggcggat gtaccaagtt gagcgatata tgatgatctt ataagggat acacagaatc 360
tatatcatct agaagcatct at 382

<210> 14583
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14583

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tttatcgaga ctacganat cgaatggta agctcagagc aaattcaaac gacaataact 120
ntttactcgg atgtctgatt ggtcccaca atatataaag acgctcgaaa ttgaatgta 180
aagttctgag caaagtcaaa cgacaataac tnnttactcg gatgtcggat tgagtcattg 240

aatatatcga gatgctcgta attgaatacc gaagatctga gcatattcaa acgtcaataa 300
 .ctntntacac ggatgtgctg atgagtcctg taatatatcg agccgctcga aattgaat 358

<210> 14584
 <211> 118
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14584

gaactacttc acatggactt gatggtgcct atgcaagttg aaagccttgg agganaaagg 60
 tatgcctatg ttgttgtgga tgatttctct agatatacct gggccaactt tattagag 118

<210> 14585
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14585

agctngaaat tgaacatcgg atgctctcga taaaatcgag tggtcataaa ttttcacaca 60
 gatgtccgat tcggtgaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaattcg aatggtcata acatttcact cggatgttcg atccggggac atatattatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taactcttca 240
 cgcgaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
 tctcgagaaa tttgaatggt cataagttnt cacacggatg tccgattcgg aacataatat 360
 a 361

<210> 14586
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14586

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 aggaacttat acgttgatga actttgttta agataaattg aaaagtattc ctagaagcta 120

tcttatgaaa gatagacact ccaaggtact ttccaagatc cttagtccaa gcaataccca 180
 tttctccact tagttgatcc ttgacttgag tctccacatt tttggaaaag aacattcaag 240
 atttctccaa gcttaatttc tgcttagaac tcttgcaaaa tagattcaaa atattcttga 300
 tagaatggac ctgctccact aaagccttca taaataaaat 340

<210> 14587

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14587

tatatctaatt ttatacgtgc atcttgattc taagggtgga tgtaaatagt tacatgagaa 60
 ataaagtata tgggttgata tttgtgtagg cagagaaagc aacggcaaga acagaagagg 120
 agagggtgat agcccatgag cacgcaaagg caaaggaagc tggagcaaag atggagctgc 180
 atgaagctaa agcaaggcat gcagcagaga agctaagcgc caaccaatca cattatggtc 240
 tocaccatgg ccacaacaac cctcccttag taggaacaac tcagactcac taccagcaag 300
 ggcaccagca ccagccactt ggggcagttc ctatgcctgg aaccacttat ccatcttacc 360
 cactaggagg aaaccctaac cctccaagga acaaacatat ataataagatc tatctgtgtt 420
 ntgctgtagt acgtctactt cttgtgttat tactcct 457

<210> 14588

<211> 484

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14588

ctcggtttct cctatntgta tctaagggtg gcatatcatn tttatgatga attgcatctc 60
 ttctcaagtc caggtgtgaa tgagtatcag tgcacacatg acaaatgtat taagctggac 120
 atatatatgg atgattgagt agtagctgaa tttatgcagt gtataggagc ctcaacaatg 180
 gatgaatata cgaagcacat tgaaaaggat ccagctctgg agaggcgatt ccagccagat 240
 gaaaccatac aaatactgaa aggacttaga gaacgctatg aaattcacca caagctccgt 300
 tatacagatg tgcagttgtc acatttaaac gttctgctcc cttttctgtt cattttacct 360

attctattca tttatgctgg agatcagaca agtttcttta tttcttataa tatttatgta 420
gctggaaatt tttcaaattg atattaattt atctctttga attgtatata atagtttagat 480
tatt 484

<210> 14589
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14589

atgagaaata actttgactc agatgtttga ttgagtcctcg taatatatcg agacgctcgt 60
aattgaaaac aaaagctctg agcaaattca aacgacaata actttttact cggatgtccg 120
attgagtcctc gtaatatatc gagacgctcg taattgaaaa cagaagctct gagcaaattc 180
aaacgacaat aactttttaac tcgggtgttc gattgtgtcc cgtagtatat cgagacgctc 240
gtaattgaaa aggggaagctc tgagaaaaat caaacgacag taacttttaa ctcgatgtc 300
cgatagagcc ccgcanaata tcgagacgct cganattgaa aacagaatct ctgagcaaatt 360
tcaaacgaca ataactntng actcggtatg ctcgatgtgt cccgtagtat atcgagacgc 420
tcagaattga aaccgaagct ctgag 445

<210> 14590
<211> 490
<212> DNA
<213> Glycine max
<400> 14590

ccttctattc tcaatttcga gtgtctcgat atattacttt actcaatcgg acatccgagt 60
aaaaacttat tgtcgtttga atttgcttag agcatatatt ctcaatttcg agtgtctcga 120
tgtattacgt gactcaatcg aacatccgag taaaatgtta ttgcagtttg catttgcaac 180
aagcttctga tttcaatttg gatcgtctcg atctatgatg ggactcaatc ggacatccga 240
gttaaaagtt attgcggctt gcatttgcta cgagcttccg ctttcaacta cgagcgtctt 300
gatatattac tggactcaat cgaacatcag aataaaaagt tattgttggtt agaatttttt 360
tcagagcctc tgttttccat tacgagcgtc tcgatatatt acgggactcc atcagacatt 420
ctaaaaaaaa gttattgtcg tctgaatttg ctgagagctt ctgtctgcat attcgagcgt 480

ctcgatatat

490

<210> 14591
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14591

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ttaatgagac aaaattcttt tgcgacgtat gaattgaaac ttgacatgac gtacgtgaat 120
gtgataatca ggagagagga agaattttgc tgaaatgggc agagctaata gaggaaaacg 180
cagaagaact tgcggcacta gatgccattg atgcggngaa gttgtaccat atgtgtagga 240
atttggaagt tccagcagca gcaaactc ttcgttacta tgcagggtgct gccgataaga 300
ttcatggcga ggtgttgaaa atgtcccgag acttccatgc ctatacattg cttgaaccac 360
ttggtgttgt gggacacatt actccctgga atttccccaa taccatgttc tacatcaa 418

<210> 14592
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14592

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tcatgacatt tgaatactta gtatttcttt tattacttga ttagtataac tgaatatgat 120
gattatattt acttgctctt ggggtgtttat ggttatgaag ttttaaactt aattattttg 180
atgatatatg actagaggta tgcactttta tttggttatt atgaatgact ttctggataa 240
tatgatattc tatgaagtat tatctttcta agattgatga atggttaaga tatcttgttt 300
gattgatttt ctattcttgt gtatgtcatt tatgtatggn ttttatatat atttgatcta 360
ttcatgtttc ttgcttcatt attggtttat atttttccat gactgggtgtg tgaatgatta 420
gttgtatttg tatgtttcat actttgtacg cactttggct tttctgtgat gccaaagggg 480
gggg 484

<210> 14593
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 14593

gatgatttct ctagaattac ctgggtcaac tttattagag aaaagtcaga cacctttgaa 60
 gtattcaagg agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc 120
 acgagtgacc atggcagaga aattgaaaca gcaggttttac tgaattctgc acatctgaag 180
 gcataactca tgagttctct gcagccatta caccacaaca gaatg 225

<210> 14594
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 14594

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 ccaggatgga aaacaacctt tctgcgcccc tctgttgctt gtttagcata actctcattc 120
 ctcttatcaa tttgggcctt gactctatca tggagccttt tcacataatc tgttttggct 180
 tgtccttctt tatgcttaaa aactgaaata ttacgcattg gaaacaaatc aagaggagtt 240
 agtggattga aaccatacac aacctcaaaa ggagaacaac tagtgggtgct atgcaccgcc 300
 ctattataag caaattcaat gtgaggggaag caaactttcc acatttta 348

<210> 14595
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 14595

acatactcct catgcttctc accatgtcta ataaggttcg atttcttcgt tctgcgacac 60
 cattctgac cggagaacca ggcatagtgt attgggcaac aatcccatgt tcttgaagaa 120
 attccacaaa tgaacctggg gcttgtccat cctctgtgta tctaccataa tactccccac 180
 ctctatctga tctcagatc ttacattgtt tccacattgt ttctcaactt cagcctcaaa 240
 aactttaaaag gcattctaaag cttcattctt agaatgaagt aagtagagat acatatatcg 300
 tgaataatca tctataaagg ttatgaagta tttcggacta tttgcatcta tgtctggaca 360

acatatgtct gtatgtatga tttctaataa at

392

<210> 14596
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14596

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tcttaagaag ggggggttga attaagatat tccaaactgt ttcccctaataaaaaatcta 120
tttcaactttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctcagtttta tactggttcg gccacacct tgtgcctacg tccagtcctcc 300
aagcaaccgc cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacacac 360
aaggacattc cttcctttgt gtttagagat cctttacaac aagagactca cagtctctta 420
a 421

<210> 14597
<211> 455
<212> DNA
<213> Glycine max

<400> 14597

acactattaa tgcattactg tttaatccaa tatatataag taaagtttat agattacgta 60
ctaagtttca gaaaataatt atttatTTTT tttaaaaaaa aattagtaag catacttttt 120
cattctgaaa aagataattc agaattaaaa accttcgttt tggattacct tttctgaatt 180
gatcaaaagg agtggtgact gataataaac ttctggacta aaatttctat aaagttattt 240
atattaataa catatttgta aatctcatta agattttatt tatatttctt aattttctca 300
ttactaaata ttataaatca tgtataaata atattgaata taccaataaa ataaagattg 360
aaataaaaca ctttttaaga gaacaaaata ttttaagtaaa attctttttt tttctatacg 420
taccatagac ttattattaa gaataataaa tctag 455

<210> 14598

<211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14598

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 cgattcagge gcaaatata tctagacaut cgaatattgaa caacggaagc tctcgagata 120
 ttcaaattggt cataacttat cacacggatg tccgattcat ggcataata tatcgagacg 180
 ctcgaaattg aacaacggat gctctcaaga aattcaaattg gtcataactt atcacacgga 240
 agttcgattc agacgcataa tatatcgaga agcttgaaat ngaacaacgg aagctgtcga 300
 taaattcaaa tggtcataac ttatcacacg gaagtccgat tcaggcgcat aatataatcga 360
 gaagctcgaa attgaacaac ggaagccgtc gagaaaatca aatggtcata acttatgaca 420
 cag 423

<210> 14599
 <211> 121
 <212> DNA
 <213> Glycine max
 <400> 14599

tcataactta tcacacggac gtctgattca gccgcataat atatcgagaa gctgagaatt 60
 gaacaaccga agctctcgaa aaactaaaat ggtcataact tttcacacgg aagtccgatt 120
 t 121

<210> 14600
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14600

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 attgtggcca ataaatttaa gggataaatg atcatttgat tctagatgta taaattggtg 120
 acatttgaat tcttataaaa aatgaaaatt gtgattttca tctttatgta aaaaaatgtg 180
 acaattatat tttatcatat aacttaatta ataacaaatt atattaatat ttttaattnta 240

taattttaatg tcaaattaat cataaaaaat ataacttaat ctcaaacttg tcccataaaa 300
 tttagctaca ggacatttgt taaaaatttt atacatttaa ggattaaatc aatttttgtt 360
 ttctttcaac acctaatggt taccaattta cactctcaag aatcanatcg tttatcctaa 420
 ttataagtat aagtataaca ataaaaataa ttaaatacgta tattaggcac ccatgatana 480
 ttaataac 487

<210> 14601
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14601

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 attgaatacc gaagcgctaa gcaaattcaa acgacaaaaa ctttttactc ggatgtctga 120
 ttgagtcccg taatatatcg aaaagctcga atgtgaatgt agaagctctg agcaaattca 180
 aacaacaata actttntact cggatgtctg attgagtccc gtaatatatc gagatgctcg 240
 aaatggaata ccgaagctcg gagcaaattc aaacaataat aactnnttac tcggatgtcc 300
 gattgagtcc cgtaatatat cggaacgctc gaaattgaat gtagaagctc tgagcaaatt 360
 caaacgacaa taacttttta ctggatgtc tgattgagtc ccgcaatata tc 412

<210> 14602
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 14602

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 tatcgagacg cttgaaaatg aacaacggtg gctctctaga cattccaatg ctcatcacc 120
 ttaactcgga gggtcgattt atgcgcctaa tatattcaga cgctcgcaat tgaacaacgg 180
 aagctttcta tatattcaaa tggacataac tttctactcc gaggttcgat tcaagtgcatt 240
 gatttattca gacgctcgaa attgaacaat agaaactctt cagaaattca aatgggcata 300
 atcctaaaact cggaggtccc gattaagcgc atactaatcg agacgctcga atttacaatg 360
 gagctct 367

<210> 14603
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14603

ctgcagctgg catcatcctt gtaggattcc caatgttcta aaactggact gattcatitg 60
 cttccaaaga ttcattggcct tgcaagtga gacccgcaca aacatttgaa agaatttcac 120
 attgtctgct ccaccatgaa agccccagat gtccaagagg atcacatatt tctgaaggct 180
 cttcctcatt cattagaggg agtggcaaag gactggctgt attaccttgc tccaaggctc 240
 atcacgagct gggatgacct taagagagta ttcttagaaa aaattttccc tgcttgcagg 300
 accacaacca tcaagaagga tatctcangt attatacaac tcagtggaga gagcctgtat 360
 gagtactgtg agaagattta aaaactatg 389

<210> 14604
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14604

gtcagtttag tcaaaggtaa agctaactat gagaaacctt ctatgaatct caggtagtat 60
 cctgctaagc ccaaaaatct cctaacttca aaaatagatt taggactctc ccattcaaga 120
 acgacttcta tcttagaggg atctacaact atacccctt gagatatcac ataccctagg 180
 aaactaactt tctctaacca aaactcacac ttgacaagt tagcataaag ttgtcggctc 240
 ctaagggtat gtagcacaat cctgaagtgt tcttcatgtt cctctctagt cttggagtat 300
 accaaaatat catctatgaa tactaccaca aaactatcta tgtaagggtg aaagacttta 360
 ttcattgaagt atataaacac acctggagca ttagccacac canaaggcat gactagatac 420
 tcatagtgac cattaacggg tcctaaagca 450

<210> 14605
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14605

atattaccat aatctcanaa aaaggggagt agtgagtagt tattgcaaga agaaaaaaat 60
 gttgatttca attgtattct ttaaataaca agtaataaat gccatgtaat caacgtttca 120
 gatcaaatca atcaaagttt gtttttcttc tangtttatt atctctatct atcaatcacc 180
 tcttgcaaat ttatatTTTT gtgatgatgt tattattatg acgtgacaca tctaattgcy 240
 tcattatttg tatatgtagt gcttgatgat ttcatcaaat tgtgacatca ttattctaaa 300
 atatgctcat cattaatgaa atattttttc aaaaaatata tatattatag ggacgataaa 360
 catacaagac taaagcttaa cttaatatat aacgattaca aaattattta aatctttttt 420
 tatatatata 430

<210> 14606
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14606

atgggtccatt tcaagtacat gttatgatta ttacattgc acacaagatt gaattgcctg 60
 gtgagtataa tgtgagtact acatttaatg tgtctgactt aactctttnt gatgtagatg 120
 gagaagccga tttgaggaca aatccttntg aagagggaga gagtgatgag gacatatcaa 180
 ggactaatgg caatgaacct ttataatgac ttggaggacc tgtgccaagg gctagaacaa 240
 agaaggccaa ggaagctctt caacaagtgt taaccatgct atttgaattt aggcccaagt 300
 tacaagtgga gaatgttcgg attgtcaatt gtaccatggt ccaagaagtg t 351

<210> 14607
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14607

ctttgtggag agggacgtga ctgttaatca attggacagt atagtatgaa acattactgc 60
 ctgcaataat ttaagtttta gtgatgaaga gcttcctgag gaggggagga accacaatct 120

ggcgttacat atatcgggtga actgcaagtc agatgctctg tcgaatgtac ttgtggacac 180
 tggttcctca ttgaatgtaa tggccaaatc cacattagat caactttcct accaggggcc 240
 ccccatgaga agaagcggng tggttgtcaa agcgtttgat ggatcaagaa agtccgttat 300
 cggggagggtc gatttgccca ttacaattgg gccgtttggt ttccaaatta cattccagggt 360
 gatggatata caagcccat acagttcct tttgggtaga ccctggatcc atcaagccgn 420
 ggccgtgaca tccaccttgc atcanaaagc tgaagtgtgc agaaatggga gattgatcac 480
 tgtgagt 487

<210> 14608
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 14608
 aattaatcca atttggcatg gcgaagtatg gagatccggg atgttgagac gtccaagcac 60
 caaaaacctt tgtgcatact gctatatcca aaaaagaaac atggaatact ccgtggtgat 120
 aatttatgag gagcataatc tcgcaaacca gggataacct gacaccaat gggtgaaagt 180
 gagcataatt tggagaaaca tcatgtaaga gctcaaaagg agatatacct tttaa 235

<210> 14609
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14609

gacaattgaa gagtctatac atgtttcctt tgatgagtct aatgccattc ttccaaggaa 60
 ggatttttta gatgatattt caaatcctt agaagatata catattcatg gaaatgactc 120
 taaagaaaaa gatgaaggaa gcaatgagga ttctcaagat aatggagtta gagcacataa 180
 tgaaccttca agagaatgga gagcctcaag agatcttccc ctgcacaaca ttattggtga 240
 tatatcaaaa ggggtaacaa ctagacattc tcttaaata ttttgcaaca atatggcttt 300
 tgtatttatg attgaaccta anaatataaa acaagccata gtagatgata actagatcat 360
 tgccatgcaa gaagaactga atcaatttga aagaaacaat gtgtggaaac tagtagaana 420
 acctaaaaat taccctgtca tatgaacaaa atgg 454

<210> 14610
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14610

atatgaaccc tgctatataa ttcaagtggc ctaaaaatcc ttggacttgc ttttcagtgc 60
 gcgactcggc atttaaggat ggctttcacc ttgtcgggga ccacctctat ccttttctgg 120
 cttacgatga aaccgagtaa ttctcccgac ttgaccccaa nagtgcacta ggcgggactt 180
 attcttaact aatactatcg tagtctctcg aacaactagt tttagacttg ccaatcatgt 240
 cagcacatag acttaatttc tttgcgcacg atatcatgga ataatgctac cat 293

<210> 14611
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 14611

taacaaaagg catgtgaagt ggggtggaatt cctagagcat ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa aaaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgctt aaatgttcta ctagaaattt 300
 gcttgtttgt gaagcacatg aaggagggtt aatggggcat tttgggggtcc aaaagactct 360
 agaagcatta caagaacaat tttatatgcc tcatatg 397

<210> 14612
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 14612

tctggctgct tattgcaggt tgacaaagt agtgatcccc agaaactcag gctagaagct 60
 gaaaaaagag atgatgttgt atgcatactt gctttaagag gtaatggctc gcaagaattt 120

tgaaatgcag ttcaagacaa gctaaagggtg caaagttgaa accaatctgg atgtcaatTT 180
 aaatatacca ttgtactatt tgatatcgaa taacccgTTT gTTTgaacta cgaactatTT 240
 acatttTgta aatcaaaaatt ctattattca ttaacaggac tccatggTTT gggTggaagc 300
 tctggTccca tttgaatatg gtgacTTtct cagcaccata catcaagTTg gaatgggTga 360
 Tgaaactgtg agtatac 377

<210> 14613
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 14613

gtctcagcat tgtcacgtgc tcatcctTTa attgttagcc cgggctatac gagacatctt 60
 gccaaacaaa gtcaggTTca cgataactcg cctgtgctTT tTcttccatg ctatatgtag 120
 caaagtgatt gatccagtaa tgtttgatga gttggaaaat gaggccgcaa ttatactgtg 180
 ccagctggag atgtatcttc ccctgctTT ctttgacatc atgattcact tgattgtgca 240
 tctggTcaga gaaatcaaat gttgtggTcc tgtttatcta tggaggatgt acccggtTga 300
 gcgatacatg aagatctTaa gagggTatac aaagaatcta tatcgtgcgg aagcatctat 360
 Tgttgagagg tacattgc 378

<210> 14614
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14614

tgaggacaca tgaacganaa cgcaattcat ggggctctgt anatgataag tatggagaat 60
 tgcactaacc aatcactacg catggctcca aactcaaagg tggaggactc atgaacgaaa 120
 aTcaattca tgggctccga aaaagggttg agaatggaga attgcactaa gcaatcacta 180
 cccatagctc caaactcgaa ggtggaggac acatgaacga aaacgcaatt catgggtctc 240
 cgaaaaaggt tgagaatgga gaattgcact tagcgatcac tacgcatagc tccaaactcg 300
 aaggTggagg acacatgaat gaaaacgaaa tTcatggTgc tccgaaagga ttgagaatgg 360
 agaattcaac taagcaatca ctacgcatgg ctccaaactc gaaggTggag gacacatg 418

<210> 14615
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14615

ntgagataat tcanacgaca ataactntgt actcggatgt ctgattgagt cccgaaatat 60
 atcgagacgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aaaaactttt 120
 tactcggatg tctgattgag tcccgtata tatcgaaaag ctggaatgtg aatgtggaag 180
 ctctgagcaa attcaaaca caataacntt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaatagcgaa gctcggagca aattcaaaca ataataactn 300
 ttactcggat tgtccgattg agtcccgtaa tatatcggaa cgctcgacat tgaatgtaga 360
 agctctgagc atattcaaac tacaataact ttttactcgg atgtctgatt gagtcccgta 420
 atatatcg 428

<210> 14616
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14616

ggctccaaac ccgatgccat aatctatgtg tttntgggag tctatgttat ccatggctac 60
 gcccttactc aaatagaagc atgccatgtg tgtttctagg tccctctccc caacaccatg 120
 catacgaatg ctatcatatt ctaactcana aaatatacct ctctagacat gttgtctttc 180
 atgaatcaat cttccctca ctacgcctca tttggctcct accttcccaa cctcaaacca 240
 tgatatgacc ttacttatct cttgccatcc tctcatacta caacaactcc atacaaacat 300
 gccccctaaa tactccacca atcactcctc anaactccaa tgcatacctc cccaccctt 360
 ctatatctac aaatctacca caaacaccta catcatccac acctttgggt gatctaa 417

<210> 14617
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14617

gccgatgctc tttctcggcg tcatgcatta ctttctatgc tngaaacann aatgattggt 60
cttgaatggt tgaaaagcat gtatganaat gatgaaactt ttggagaaat ttttaaaaat 120
tgrgaaatt ttrcgaaga tgggttcttt agacatgaag gctntctttt caaagaaaac 180
aagttgtgtg tgccataatg tctactaga aattttcttg tttgtgaagc acatgaagga 240
ggtttaatgg ggcatttttg ggtccaaaag actctagaaa cattacaaga acatttntat 300
tggcctcata tganaaagga agtgcagaaa ttttgtgaac attgcattgt atgtaaaaag 360
gcaaagtcta aggtaaagcc tcatgga 387

<210> 14618
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14618

ctaagctctc gatatatatg cacatgaata gacttcgtng ttattatgac attgaattct 60
cagagcttcg ttgttcattn tgagcgtctc gatatattat gcaccagaat cggactttcg 120
tgtgacaagt tatgaccatt tgaatttctc gagagcattc ggtgttaatt tcgagcgtct 180
ggatatatta tgcgcctgaa tcagacctcc gtgtgacaag ttatgaccat ttgaatttct 240
cgagagcttc cgggtgttcaa tttagagcgt ctcgatatgt gatgcgccag aatcggactt 300
tcgtgtgaca agttattacc atttgaattt ctcgtgagca ttcgttggtc aatttcgagc 360
gtctcgatat attatgcgcc tgaatcggac attcgtgtga caagttatga ccatttgatt 420
tctcgagag 429

<210> 14619
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14619

caataaagna agagcacgcc tagtaacaag cacatctcca tttaaagggt cagcaacatc 60

aacatcacta caatcctcca atggcagcat ttcatcatca cttgagctct cgttctctat 120
 gtctccatta tccagcaata tcatgaatct tttatttcga cattgagaag caatatgtcc 180
 aactccttga cacctaaaac attctatata acaagatcta gaagatgaat taatttctat 240
 tttaccttta tgtgcaacaa atgaattttt ggacatagct tcattctgttg actntgtcat 300
 taatttggtg tttcaccast ttgaactcca tgaagaagtg gaagcaacat tggaggtact 360
 cttagctgtc aatngcctct ctacttgaat aaatntgtgc agcaagtccc tcatttcaac 420
 ataatgttgc aagtctatca ca 442

<210> 14620
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14620

tctgnacctg tcgcaagggt ttgtggtttg tgttctcttg ctgaccacca tacagacctt 60
 tgcccttcca tgcagcaaac tggagcaatt gagcagcctg aagcttatgc tgcaaatatt 120
 tacaatagac ctctcaacc tcagcagcaa aatcaaccac agcagaacaa ttatgacctt 180
 tccagcaaca gatacaacc tggatggagg aatcacccta acctcagatg gtctagccct 240
 cagcaacaac agcagcctgc tccttccttc caaatgctg ctggcccaag cagaccatac 300
 attcatccac caatccaaca acagcaaaaa cccagaaaca gccaacagtt g 351

<210> 14621
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14621

taacagaagc tctcgagaaa ttcgaatggt cataactttt cacacggatg tccgattccg 60
 ggcataata tgtcgagacg ctcgaaattg aacaacggaa gctctcgaga aattctaattg 120
 gtcataactt ttcactcgga ggaccgattc aggcgcataa tatatcgaga cgctcgaaat 180
 tgaacaacgg aagctcccga gaaattcaaa tggtcataac tnttaactca gaggtccgat 240
 tcaggcgcac aatatatcga gacgctcgaa attgaacatc gaaagctctc tagaaattca 300

aatgggcata acttttccact tggagggtccg attcacgcgc ataatatatc gagacgctcg 360
atattgaaca acagaagctc t 381

<210> 14622
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> -- 14622

tgatctgtta agttatctta tttagccatt gtctaatagc ttgagcactt tacacgaggc 60
acgttactgt gcagagaaaag agtgtgacga ccacaaacat tttctatagc aaatcttcaa 120
agaagtacaa cttgtcagag tgcctaatagc aatccttccct cccaagggca ttggatagaa 180
gactccaaga agattgggct agagatgcaa cagaaggccc taggggttctc ataagcctta 240
gggtagatatt tggacccatg ggctaagtat gagctcactt atctttgtac atattagatt 300
aatgtttcat tattttttgg cettgtatatt agggcccat aatgtaggta gggtagctta 360
aaattctagg atttttcagc cettgtattn tagggcacct agactagggtt tttgtattaa 420
gggtagtatt gtaatttcac atgcattaag tgaata 456

<210> 14623
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14623

tcttatgggt tccacgagtt tcatgatggt atcagagctc ttcaactgaa gagcttttgt 60
gtacaactcg atctatcttc cttcttcttc gtntcatga ttttcaacta gtgttggtgc 120
gcatatccta ttgtgttcat catgagtgc acacagggtc aagatcaagc atcttatgtg 180
catagcccgt attaccttca ttcaacttgg aaaagggtgc acaatatgggt tgtgtcatgg 240
cttgtagact cagtttcacc ttcaatacta cagagtatat tgtggatgga caatgctcat 300
gatatatgga aagaattgaa gtcattgat 328

<210> 14624
<211> 306
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14624

gatgaacaac gtttgggtga ggttttaggtg cangattatg aaattntgac ttcaactcaa 60
caaccattat ggtaggatg taaaaatata tcaaagttgt ttgttggtgt tcagatgttg 120
agcaaaaaat ttacacataa catgtcacan gcttgcgtca atgatgtgat gatttttttt 180
aaagagtcaa accaaattga gaatgtcatt ccttctagtt tcaagaaagc aaatatactt 240
gtagttagggc taggtttatc gagtataaaa atagattggt gcattgatgg gtgtatgttg 300
tattac 306

<210> 14625

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14625

tactcagctt acgcaatgca ctctactcag ttttatagga ttgctaaca attaaacata 60
agtatatcca ccaggaaaac attgttggtg aaggaaattg tagtggtgag attcanaaga 120
tcctgccacc caagcataaa gaccttggga gtgtaacaat tccttggtca attggagaag 180
tcactgtggg aaagactttt attgatctgg gaaccagtat taacttaatg ccactctcca 240
tgtgcagaag gttgggagag ttggagatca tgcccactan gatgacctta caacttggtg 300
accactccat tacgagacca tatggagtaa ttgaagatgt gttggtcaga gtaaaacatt 360
ntatctttnt ggcagactnt atggtaatgg atatctgtga agataatgac attcctgtaa 420
tatt 424

<210> 14626

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14626

agctgggtatc tccttcttca ctacatcaag aatcaccggg ttgatgtctt ctctgtggct 60
gtcttactgg tttagctcca tcctctaaat ntattcgatg catacatgtg gatgggctaa 120

tactangaat gtccgccagg gtccagccta tagccttctt atgcttcttg agaaatgaca 180
 acaacttctc ctcttgctca tcagcaaggg aggcagatat aatcactgga aaactcttgc 240
 tatcatccaa gtaagcgtat tttaaatttg atggcagagg cttcaattct ggtgtggtcg 300
 gctggacagt ggtagaagga gatggtttct cagcctttac ctcataaaga aagtcagagg 360
 tatggtact tctyaaaaca tggtagtcc tatctgatto tattaaatca atctaaagay 420
 gtaaaacacc accaccangc atgcaatcaa tatcactctc agattcactc tcagcatcaa 480
 att 483

<210> 14627
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14627

actcggatgt ttgattgagt cccgccatat atcgagacgc tcgaaattga atgttgaagc 60
 tctgagccaa ttcangcgac aatatctttt tactcggatg tctgattgag ttctgtaata 120
 tatcgagacg ctcgaaattg aatgttgaac ctctgagcaa attcaaacga caataacttt 180
 tttctcggat gtctgattga gtcctgtcat atatcgagac gctcgaaatt gaatgttgaa 240
 gctctgagcc aattcaaacg acaataactn tntactcgga tgtctgattg agtcctgtca 300
 tatatcgaga cgctcganat tgaatgttga agctctgagc caattcaaac gacaataact 360
 ctntactcgg at 372

<210> 14628
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14628

taagctcctt caactgcaca atgttcttaa tattngaaga gtatccttgt ggaaccttca 60
 cccgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180
 cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatTTTTct ccacatgcat aacatcaata caatgtctaa 300
 cgtcaagatc acaccagtac ggaagatcaa agaanaTgga cctcttcttc catatgcaac 360
 tctgactttt atccttcttt tgggtcttcc caaatacagt gttcaggtgt tgaacccgct 420
 gatatacctg ctactagtg aacggtatcn gcgcaatate atgct 465

<210> 14629
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14629

ctttatagaa acaagccgag ccgagcctta cataggccga gccaaagacc ctcgacaagc 60
 aggtcgactc atttccaccc ctatctgtaa tcatacctac taaataatta gattataagt 120
 gaatattata attataatca taactaattt ttaaaaaatg gatacaattt gatataacta 180
 gttattgttt ttaaaatag aatatataat taattatgaa taaactagtt atataacaac 240
 tatataacaa gttgcatcta anaccaatta aatagttatg aatgaataca aataagttat 300
 ttgaaatact catttctata aaattagtta tagttntata actataatta tttntaaata 360
 agaatgagtt atttacaata ctcatcacc t 391

<210> 14630
 <211> 351
 <212> DNA
 <213> Glycine max
 <400> 14630

agcatggatc caccaccag cttcttcgcc caatgcacca tgctcctgga gtaactcgat 60
 ggcgaccgag gtggaggatc ctttcatcaa tcatcgccag cacacgatta ttaagttgaa 120
 actgtcttgc aaaagcagcc ccactttttg ccatgtgatt gtaaacagag gcgttaaaga 180
 agtgaggctc catcttttga ggattgtccc agatcatata tcgtaagtca ccatttactg 240
 ttgtgttctt aaattctggc gcattgcaaa cgactgagtg aaagtagcct tcttgagata 300
 atttcacatt tgtaaaatac atcagtaggg tccgaggtaa attgtcccaa c 351

<210> 14631

<211> 352
 <212> DNA
 <213> Glycine max

<400> 14631

ctgcagctgg attccttttag tagggaatct attcttctat tatgtgacca aacccagtca 60
 ccttcattaa gaactagctc ttttcttctt ctattccctt tagttgaaca cacctttgtt 120
 tgggtctcta tttggttctt aacctcttca tgcaacttct ttacaaactc ttacctagaa 180
 tccccctctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacgggtgtt 240
 aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct atgaacaccc 300
 cttgttgtaa gcaaattcta catgaggaag atactcatcc caagacttat gg 352

<210> 14632
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14632

tagccaccaa agcatgccaa aaatntcctt ggcactatct ttcttgctac gaaactntga 60
 agcagnctcc tctaggtcga taaattcttc ccttctctga gcctcaacaa ttgctttttt 120
 ctcttctgct aaccgngnga tttcagcaat tttattcttc attctttcaa catattcggc 180
 cttctttntt tccatgcttt cctgataaaa gaatttcttt tttaaagtaa catacagcta 240
 atttataaaa ccaatcatat tgatgcatta attgaacata agtctggtga cacaaagaag 300
 atccaattct cttgccaatt gtcatt 325

<210> 14633
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14633

tctatagaag gttcgttcct aatntctcta caatggcatc acctctattg atctggtgaa 60
 gaagaatgtg gcatttatct ggggtgaaaa acaagagcaa gcctttgctt tgctcanaga 120
 aaagcttact aagacacctg ttctagctct tcttaacttt tctaaaactt ttgagctaga 180

atgtgatgcc tctggagtgg gagttggagc tgtattgtta caaggtgggt accctattgc 240
 ttatttttagt gaaaaacttc atagtgccac cctcaactac cccatctatg ataaagagct 300
 ntatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca tggaatttgt 360
 cattcatagt gatcatcaat cacttaagta cattagaggg aaaaacaagt taaacaa 417

<210> 14634

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14634

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 accatttgaa ggtacattga ttgatgattg gaagtttgat ttttctgtgc atgatgcccg 180
 ccggttggtt tgcaccaacc aagcggatat gaccggaagg cttcttgccg gttcattggc 240
 ttttgaaagc tgcatecttc attatctaatt tgttcgcata ttgcttccaa gatcttcaaa 300
 ccttgcacag gtttctgaag aagatcttat tgttatgtgg gcttttcata aaggcctaca 360
 aattgattgg gcacatcttg ttagatatcg catgcataag gcattgcat tgaatgctcc 420
 attgccatat ccacacct 438

<210> 14635

<211> 386

<212> DNA

<213> Glycine max

<400> 14635

agctggagtt gctgcacatg atgtccaacg ttatgtcaag gaataagatc gggctgcaca 60
 atgcacaagg caagttaaaa tgtcaaata gaattgaag ctgcaggatc cacgatgtcg 120
 gatacaatgt ccaggacatc ctgcccgaat atactggagt tgctgcacaa tgcacaaaag 180
 ctgcaggatc cacgatgtcg gatacgatgt ccaggacatc tggcccgaat atactggaca 240
 cataaatctg ttatctcttt aacagattat tgtgcagtta gcaagagata agatgatcta 300
 tctttatgaa cgaattaaaa gataattaaa gttcgaatta caaactagaa gagttcgttc 360
 agggattaaa gattaaagat taaaga 386

<210> 14636
 <211> 400
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14636

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tgcacagngg caaagatgca tgggagatcc tgaaatcact catgaaggaa cctccaaagt 120
gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagagagg ataacagatg aaaagctggt aagaaagatc ctcagatcct tgcctaagag 300
atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360
tgaactcatt ggttctcttc atacctttga gctaggactc 400
  
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<210> 14637
 <211> 327
 <212> DNA
 <213> Glycine max

 <400> 14637

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cttggacttg agcggcaatg gatttcttgg agaaggatg tcaattcctt ctttccttgg 60
gacaatgact tccttgactc acctcgacct ctctcatact ggattctatg ggatgattcc 120
tcttcagatt gggaatctct caaatttgggt gtatcttgac ctgagttcag atgttgccaa 180
cggaacagta ctttctcaga tcgggaatct ctctaagctt cgatatcttg acttgagcga 240
caattatfff gaaggtatgg caattccttc tttcctttgt gcaatgacct ccttgactca 300
cctcgacctc tctgatactc cattcat 327
  
```

<210> 14638
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14638

```

gcagctggcc tttacgttgg acatatttgt tcttatatat ccaaactc ttatgtgctn 60
  
```

tgctgaagge tnttcccat tccaagcttc aattggagtc ttgtctttta cataacttagt 120
 tggacatctg ttgagtatgt aaacagcagt gtagactgct tcagcccaga atgtgttagg 180
 tagtcccttc tccttgagca tcgatctagc catttccata actgtgcaat tctttctctc 240
 agaaactcca ttttgttgag gagaatatga gactataagt tgtcgctcaa tgccttcac 300
 ctcacaaaat ctttcaaact cgcgagaggt gtactcttly ccgcgalcac ttcttagiac 360
 ttttattcat tttccacttt gatttcaagc agggccttga acttttgaat actccaaaga 420
 cttttgat 428

<210> 14639
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14639

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 caaggcactg atctcgggtg tccaatttac attgaacgac ttgngaaagc acatccaagc 120
 aagctaagta tgtatttcac aacgataatt cgatatttga aatacttcat cgaggagttt 180
 gagagtgcc tgtaggagaa atttctagta tgaccattg aagcaaattg acaaatttct 240
 tcaaagtaac aatagctcca attatattac aagtcataca aatatctcct atatggcaag 300
 tctatttgaa tgtgtactct atctcttccct gttaatgcc ttgaggagtta ttatcaagtt 360
 agtatatgtt tgaataagct tatataanaa cactctatag acaantttct tttaaaaaaa 420
 atat 424

<210> 14640
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14640

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 gacatattct caattagctc aattgcttct ttcgngtct ttagctctat tttccccta 120
 cagaagcatc tagtagttgc ttggtttgtg gtcttagtcc atctatgaac atattcaatt 180

ggattggctt ggacaacca tgggtgggag ttcttctcaa taaacctcta aacctctcca 240
 atgtttcact cagacattca tcatagaact gatgaaatta agagattgta gctttccctt 300
 ccacattctt ggactttggg aagtatttct ttagaaactt ttcaacaact tcttcccagg 360
 ttttcagact gttaccctta aacgagtga ggcacctctt ggctctctct gccaatgaga 420
 atgagaatag gctgagctt atagcttcat ctggcacact agcaatctta acagtgttgc 480
 atatttcgat aaaag 495

<210> 14641
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14641

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 tatgatttac atttcctatt ttgattaat attacaaagt aggaatttat aaaattgtta 120
 tttttgtcat gcagatggaa tatgtcatgt atatgtagac aaaacagcta atattgatat 180
 ggcaaagaag attattaggg atgcaaagat tgattaccct gcagcctgca atgcaatggg 240
 aatttcagtt tacataccca ggaatgcctc ctctaatagca tgttcattta catccatatt 300
 ttogtttgag ttntcttcat ttntcattcn attatgtaaa tgaatctaca gactcagctc 360
 attacaatat 370

<210> 14642
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14642

tcacctggnt caagcatgac ttcttttctg cttttgttgg cttgccttgc atagctcgca 60
 tttttctttt caatttgggc cttcacttgc tcatgcaact tcttcacata ctcagcttta 120
 gcctgtgcat ccttatgctt aaacatagca atgttaggca taggcaacaa atcaagagga 180
 gtcaaaggat taaatccata cactatctca aatgggtgaac a 221

<210> 14643
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14643

aaccacaaca gaacaatgat gacctctctc gccaaacata caaccctgga tggagcagac 60
 accctaattc cagatgggtc agccctcagc aacaacaaca gcagcctgct ccttccttcc 120
 aaaatgctac tggcccaagt agaccatata ttctctcacc aatccaacaa caacaacagc 180
 cccagaacca gccaacagtt gaggtcctc cgcaaccttc cctcgaagaa cttgtgaggc 240
 agatgaccat gcagaacatg tagtntcaac aagagaccag agtctccatt cagagcttaa 300
 ccaatcagat gggacaattg gctacacaat taaatcaaca taagtcccat aattctgaca 360
 agctgtcttc tcaatc 376

<210> 14644
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14644

gacacataga aactaagctt gatgcacatt gnagagggtta tgaaacaacg tttatttctt 60
 tccttgagag gtgaatcaaa ggagntagag atcataatga agaacaagga ggagaagagg 120
 gaatgatggt gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttctctcatt 180
 taaaggaaaag aatgatccag aggcctactt ggagtgggag atgaaaatag agcattattt 240
 ctcatgcgac aactatgagg aggaccaaaa ggtgaagctt gccgccacga agttttctga 300
 ctatgctctt gtgtggtgga acaagctacg caacgagaga gccagaaatg 350

<210> 14645
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14645

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gcacggcggc ggcaatggcg tgaagctcac gcacataagt tgaggaacac tgaagcttgt 120
ggcaaaaaat cttactgaaa aacgcaatgg gatgagcggt ttgagaaagc atagctccca 180
tagcgagacc agaagcatcc gtctcgacgt cgaaggggat agtgaaatcc ggcggaacga 240
gaacgggtggc ggtgggcatc acctgcttga gtttgaagaa agcagattga gcatcatcat 300
cccaatgaaa cttatccttg cgaagcaggg aagtcaatgg ngcatccaag agcgcgtaac 360
cgcgtatgaa a 371

<210> 14646
<211> 380
<212> DNA
<213> Glycine max

<400> 14646

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caaatcgcta aagttcgaag tataacaaaa gaaaataaaa agagcataat attaaaaaat 120
gtatggatta ggtcctcagc cctaaagctt acaaattctat ttttaagtcca agcccataaa 180
tgaaaaaata taatttggac aaaataagat aaaattggat gaaatagaat ctagatgaaa 240
taaaatctag atggaataaa gtctggataa aataaaatct agatggaata taatctggat 300
aaaataagat tcgataaaat aaagttatta ttatcgctag ttaaacaggt cggcttgtca 360
agctaacaag cattttttat 380

<210> 14647
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14647

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agntattggc ggttgaattt gcttagagct tcggtattcc atttcgagcg ttcggatata 120
ttacgggact caatcagaca tccgagtaaa aagtttttgt cgtttgaatt tgctcagagt 180
ttcggtatcc catttcgagc gtctcgatat attacgggac tcaactcagac atccgagtaa 240
aaatttaatg tcgttcgaat tcgctcagag cttcaacatt caatttcgag cgtttcgata 300
tattacggga gtcaatcgaa catacgagta gaaacatgtt gtcgnttgaa tttgctcaga 360

gcttcggtat tcccatttga gcgttcggat atattacaag actcaatcag acatccgagt 420
 aaaaagtttt ggtcgttga 439

<210> 14648
 <211> 354
 <212> DNA
 <213> Glycine max
 <400> 14648

ttaagctgca gatagagaat acgtcttgtg cttatccatt ctgattgctt cttttctgtc 60
 agtgcacatgat aaaagtgagc aacttgaaaa ggaagtgtca actcttcagt ccgagttgga 120
 taggatatgc tacttgctga agattgctga cccaacagga gaagctgcca agaaaagga 180
 gttgaaagta catgaaccca aaccaaaaaa atctgaagta accattacca tcaagaagaa 240
 accacctgca gaagcacaga atagcagcgg gccttgtgca aaagcagata acaagaatcc 300
 tcctgtggaa accctgaaaa tccgcgagac ccctgtcaag gaagatggct ctat 354

<210> 14649
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14649

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 actatagcat cttttctggc actaaactgc tgggagttgg aagccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactgacagc atctatcata 180
 catctctcca tattacggag tccttcataa aaatattgga gaagaagctg ctccgaaatc 240
 taatgggtgag ggcaactggc acatagtttt tttaatctct cccagtattc atataggctc 300
 tctccattga gttgtctaata acctgagata tccttcctga tggctgtggc cctggaagca 360
 nggaaatttt tttctaagat tactctcttt angtcacccc agctcgtgat ggaccttgga 420
 gc 422

<210> 14650
 <211> 399
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14650

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tgaattctgc aaagacaact gatagcctgg atgatttgaa ctccactaat caagttaaag 120
atatagacat g gatgaaaat gctgaltctt tngtggatga atctgttatg gaaaaggtrc 180
tccacaagag gagtttgagg atgcgtaaca tgcacagagc ttggcagggt ttgtttgatt 240
tcttgaatat tccatttgga tattgcattt ggtatcacat gtgcttggaa tggaatagta 300
atgatcaaga gtgtgcgact gttgcgttat cttttggaat atggtaattt tcttttccat 360
tccaattcat atccaaacta tgagttagtc tgtgtagtt 399

<210> 14651

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14651

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gctaataaac tcagtgacaa tttcttttga caatagcttc tcccgaatga aatgacagtc 120
aatctctatg tgcttggttc tctcatgaaa gactggattt gaagcaatat ggagagtggc 180
ttggttatca caatataact tcactgccc aacttcacag aatctcaatt cttcaagtag 240
ttgtttgatc cacataagtt cacatgtagc catggccata ggtctatatt cagcctctgc 300
actggaccgg gcaacaacag ttt 323

<210> 14652

<211> 456

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14652

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tcntctatgg tcagattggg aatgcctcta acagcacctt tgtcaatgat attcttcatg 120
cctcttaaga gcagatgttc aaatctttga tgccatattt tgacttcacg ttctttggag 180

gatggacatg tggaggagta actgggtttct tgaggtgtcc ataagaagac agtgtccttt 240
gatctgttgc cctacattat aacttcattc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcattcacac aactgactga tgctgatcaa gtttgacgtc 360
agtcccttca ccagcagtag tttgtgcaga ctaagaagtc catcatggac tatctttcgc 420
attccagtga tcttcccttt agagccatct ccaaatt 456

<210> 14653
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14653

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ttctgttgtt caatttcgag cgtctcgata tattatctcc cagattcaga catccgtgtg 120
aaaagatatg accattcgaa tttcatgagt acttccgttg tgcaatttcg agcgtctaga 180
tatattatgt cccaaattca cacatccgtg tgaaaagtta tgaccattcg aatttctcga 240
gagcttctgt tgtttaattt tgagcatcta gataagttat tcccgatgaat ccgacatgcg 300
agtgaagaaga tatgaccatt ccaattgctc gagtgcttcc gttgtgcaat ttcgagcatc 360
tagatgagtt atgtacgcga atcagacatc gttgtgaaat gatgaacatt tgaat 415

<210> 14654
<211> 343
<212> DNA
<213> Glycine max
<400> 14654

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aaaagttgtt gtcgtttgaa ttgggtcaaa gcttcaacat tcaatttcga gcgtctcgat 120
ctattacgag gctcaatcag acatccgagt aaaaagttat tgtctgttga attgggtgag 180
agcttcatca ttcaatttcg agcgtctcga tatgttacgg gactcaatca gacatccgag 240
taaaaagtta ttgtcgtttg aattgtctca tagcttcaac attcaatttc gagcctctcg 300
atatattacg ggactcaatc agacatccca gtaaaaagtt att 343

<210> 14655
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14655

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 tcttaagaag ggggggtcga attaagatat tccaaactat atcccctaataaaaaatcta 120
 tttcactttt taaccaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
 aatgaaacac attgaatatg aatataaagc gataataaat aaaggagatt aagggaagag 240
 aaaatgcaaa ctcggtnta tactgggtcg gccacaccct tgtgcctacg ttcagtcctc 300
 aagctacccg cttgagagtt ccactatctt gttaaattctt tatacaagtt ctaaacaca 359

<210> 14656
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14656

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 tntgaatttc tcgagtgcct ccgttggtca atttcgagcg tctcgatatt ttatgtcctc 120
 gaatcagaca tcggagtga atgttatgag catttcaatt tgtcgagagc ttccgttggt 180
 caatttcgag cgtctcgata tattatgtct ccgagtcggt cttcattgtg aaaagttatg 240
 accatttgaa tttctggaca gcttttggtg ttcaactttg agcgtctcga tatattatgt 300
 ccgcgaatca gacatccgtg tgaatagtta tgaccattcg aatttctcga gtgcttccat 360
 tgttcaattt cgagcgtctc gata 384

<210> 14657
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14657

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acccaactac attntctcca tctattagac tcgaacttaa gaccttactt aaggaaactg 120
 aggtcactat cactcagact aacgactcat tggcaatgta attaacaaaa tttattgttt 180
 attaaagtct aattntaatt ttttggtagt gtatatattc ttacaccatc aatcaaatag 240
 aaagtatttt aaatacgaat tttaaagtaa tataaaatac aattatccta ccatatgtgg 300
 ttatccataa ttggattaga atgtattttc ttttccata atgttactca acaataataa 360
 ctatttgtaa acttaccctc ttgaataact cttaacatgt ntaaatttat taatntaaat 420
 attaactata tgtttaatta actatgaata ttaangttat atannatttg atgctcacia 480
 tca 483

<210> 14658
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 14658

tcttagtctc acctgatgaa ttcgtggcta cttcatgcac tcctctaata acaatagcat 60
 cacttctggc actaaattgc tgggagtttg aagccatctt ctcaattaaa tttctggctt 120
 cagcaagggt catgtctcca agggctccac cactagcagc atctatcata cttatttcca 180
 tgttgctgag tccttcataa aaatattgga gaagaagctg ctttgaaatc tgggtggtgag 240
 ggcaactggc acataatttc ttaaactctat cccagtattc atataggctc tctccactga 300
 gttgtttaat acttgaaata tcctttctga tggctgtggt cctggaagca ggaaattttt 360
 tttcctaaga atactctctt gaggtcatcc cagctcgtga tggaccgtgg agcaaggtaa 420
 taaaa 425

<210> 14659
 <211> 292
 <212> DNA
 <213> Glycine max
 <400> 14659

gaatagcagc actatctcca gcatcagcat aatgtccatg aattacatat ggccagacag 60
 gttggccccc accaacttgt tcaactcaata cttttgacat attgagaatg tgagctaata 120
 ctccatccac aaattcttga atataaggcc aaagaagttc tttccggagg tatttattgc 180

gtggaccgaa ggggtattctt atgatatatg caccactgct ctccccaagg ttatcatcat 240
catcatcacc cggagtttagc atttctgtag gctctccata gctccagtca at 292

<210> 14660
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14660

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gatggcgect cctctcacct attttccttt gtcttccgct gcatctccat ggtggaaaat 120
caccattaaa ggacccatt gaagctctaa gatccagcct ccatagaagc tccacaagca 180
agcttccatc aagccttgaa aacaaaagggt aaaagatact atgggtgaaa ctagccaaat 240
aaacactaaa agagggtgtga aagataagggt aaaaaaacta attggtaaaa tgcaagctat 300
ctaggcggtt ttaccttacc tactagaatg gccaaaatac aaggcctaga cgaaggagaa 360
acctattcta atatttacia agataagcga gctcatactt agcccatggg ctcgaaatct 420
accctaaggc tcatgagaac cctanggcct ntccttggat ctctagccca atctacttgg 480
agtc 484

<210> 14661
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14661

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agtcaagaca atgtgcagca catggagtcc aaaatatttt tgggtctcgtg acttctaaaa 120
ttttacctaa aaagaccaa atcaataaac ttgtatgagt agtgtaacaa ttaaaagtta 180
taactataaa aaaaaacttc attaagcatg attgaattct cgcccaccaa cacataatta 240
cttccattgt ccgtcaccac ttgaataaca ttcttttctc caatctcttc aacaaagcta 300
tccaaaagct caaagatctt ctgaccagtc ttcattgtatt cagaagcatc cgcactcttc 360
acaaactgtg ttcccaatga acaatttacc aaaaagttaa tcaaagttct attcttccta 420

tccggttcaac catctgaca

439

<210> 14662
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14662

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ggtgagggtca aaagcctgga gcagggaata gatgaataag ctctcagcat ctctgctctc 120
attctgaccc cttaaagatc tgtttgaaaa tgactgtagt ttttgtaat gttatttatc 180
tgattgttta ttaaaataac aatatacaat tatagagcat agccctatca tgtaccatcc 240
ttgggtgtat tggacagacg tgtagcttct agttgctatt gtaacattat gttgtaagac 300
atgtgatata gacctgtaat catatatata aggaagtgat cctatattat cataggtggg 360
gttaagtaat ttggctctgc cgaagaacgg tgcatatgca agtaccatct ttttcatngg 420
attggattat ctactntnt gaaatcaagt gatagtgatt aatcatgaaa tac 473

<210> 14663
<211> 435
<212> DNA
<213> Glycine max

<400> 14663

tgtaataaag ataccaatta tcgatacaaa ttctccatat ggttgattta tttaaaaaaa 60
aaaaagtcaa aaacaacatg tatggaatag agatatttga accaccaaag taaagaactg 120
ttacaaataa ggaagaaatg aatagggttta aataggaagc aacataaaat aaaccaaatt 180
tgagtgggtt aacctatat gctacactcg tttgctacct actattattg gttacctgtg 240
atgacagtta attcaaaatg taatttataa tattaatatc ttatttttga tttttttaat 300
ttgtgggttg ttgaatactt tgggtgcattt gtcaagtgat tacgattctt tgtgttaaaa 360
ggtattatcg atcaacttct ttattttctaa ctacaaagtt ttacatggac tgtttataga 420
aaatatttgt tatgt 435

<210> 14664

<211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14664

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attcatagt acaccatagt cgtggaggga aactgcagt ttgtgattca acgtatcctt 60
ccacccaaaac ataaggatcc aggaagcgct actatadctt gttatgtatg tcaagttica 120
gtagtcaagg ctcttattga ctccggagct agcattaatt tgatgccgct ttccatgtgt 180
cgaaaacttg gggagttgga gataatgcct actaagatga cttntacagt agcagatcgc 240
tctatcacca gaccctatgg agtgattgag gatgttctgg ttcaagtcaa acatcttatc 300
tttctgcag actttgtggg tatggatata gaggaggatc ctccaattcc cataattttg 360
ggacgttct 369
```

<210> 14665
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 14665

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agtgaagtct gacgatattc cgaagactat ctttaggacc cgttatggtc actacgagta 60
tgtatgcatg ccctttgggt cgactaatgc accaggtgtg tatatggact acatgaataa 120
agtttttcac ctttactttg atagattcgt ggtcgtattc atagatgata ttttggata 180
ttcaaagact agagaggaac atgaagagca cttgaggatt atgctgctta cccttacgaa 240
tctacaactc tatgctaagt agtccaagtg tgagctcttg gttagagaaa gttagtttcc 300
ta 302
```

<210> 14666
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14666

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gcttctagac atcatcctat ctaaaatggt ttctcttttc ttgcataagc ttgaccagg 60
ggtcaccaga cataacatca tctatgtgtt ttggctcaat ctcttgagaa agctccttct 120
```

ctagactttg tccctaggat caccaatgat ctacgactnt ggatgatggt tccctcggcaa 180
acgtctagtt ggttctctga cttcttcaag ttgatcgtcc actagttagt tggacgcaag 240
cctatcttta ctggacatag tagcaaactt gacgatattt tcaattttca tttctgcaaa 300
ggactcatcc aactttgaca tttgagtggc aggtttattg tcattatata ttacatgaat 360
agactcttcc aactcgaagc gtttggactt aatcactcta tatgccttgg acgaattaga 420
gtatccaagt aagaatccac aatcacattt t 451

<210> 14667
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14667

agctntatct aatgggaatc tggcamaatc tgtctatgag aatgaatcga tggcccttgt 60
gctttgtatt cagcactgga gacattattt attgggcaga gaatttattg tgcacacaga 120
tcataaaagc ttgaagcatt ctttacaaca gagagtttca tctccagatc agcagtgttg 180
gttggccaaa ctgctangct atcaatttga agttaagtac aagcctgact tagagaatag 240
agccgatgat gctatgtcca gatgtcatgg ttaggtagaa atgaattcta ttatttcttt 300
tcccttgtgg gctgatagac agaaactttt ggatgaaata actaatgacc cgtacattta 360
aaagttactg agagaagtgt aggagtctcc taatg 395

<210> 14668
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14668

gggataattc ttcatttggg tttgatgaaa gccccatgga tcaatgcata taccataagg 60
tcagtaggag taaaatattt ttccttgttt tatatgtaga tgatattnta cttgcaacca 120
atgatcatgg tttgttacat gaggtgaaac aatttctctc taagaattnt gacataaagg 180
atacgggtga cgcattctat gttactgaca ttaagattaa tagagataga cctcgaggta 240
ttttaggtct atcacaggaa acttatatta acaaaatttt agaaagattt cggatgaaag 300

aatgtcagca agtgtcgtc ccattatgaa nggtgataca ttttaattga accaattccc 360
acagaatgac tttgtgagga aacatatgga aaacattcat tatgc 405

<210> 14669
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14669

gagaagggaa agtaaaatta atcaaatttg gcatggcgag taatgtagat ccgggatgtt 60
gagacgtcca agcaccaaaa acctttgtgc atactgctat atccaagaaa gatacatgga 120
atactccgtg gtgataattt atgaggagca taatctcgca aacaaggata aacccgacaa 180
ccaaatgggt gaaagtgagc ataatttgga gaaacatcat gtaagagctc aaaaggagat 240
ataccttnta acaaggaggt aggtaaccga tttataatat aaacaacaca acaaaaagca 300
tcgagccaat acgtagt 317

<210> 14670
<211> 330
<212> DNA
<213> Glycine max

<400> 14670

agcttgaatc ggacatccgt gtgaaaagtt atgactcatt taatttcacg agagcttgcg 60
ttgttcaatt tcgagtgtca ctatatgtga tgcgccataa ttggacattc gagttaaatg 120
ttatgaccat ttgaattact caagagcttc cgttgttcaa ttctgagcgt ctcgatatgt 180
gaattgtctg aatcggacat ccgtgtgaaa agttatgacc atttgtatct ctcaagagct 240
tccgatgttc aatttccagc ctctcgacat attatgcgcc cgaatcggac atccgtgtga 300
aaaatatgac catttgattt ctcaagagct 330

<210> 14671
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14671

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cattccagcc tcccaggtga atggcacata gaagttggcc atagtaaag ggtaacaggc 120
aaaatgtgac attgatcact aaatgggtag tcaactaatg catatgacaa aaagatacat 180
acctgaatgg ctagaaatgc agccatgcaa atgcagttcc ctatcaagca caaaactcca 240
aatgaaaat tgcacaccc aaggttctgt aagcaaccat tcaaccatcc agatgacct 300
ggctacacct cggcacatat ttcatntgt gttacatgac cgagttcggc atatcctatc 360
anagctggac cagcatacaa aaccatatat atggcaccag agacacagat 410

<210> 14672
<211> 255
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14672

ctatcacctt gtacatacaa ccaatcaatg agattggtct gtaatcatca aatgactgag 60
gggtgtattac tttgggaatt agagccagaa aggaagcatt actacctcta nggaagctgc 120
catgcacatg gaactcatcc acaaatcttc tgaagtcagg tttcaccact cccagaatt 180
ctttaataaa actgaaatta agaccatcac gccaggaca tttgtencac cacagcttgc 240
ttgatctcat gatct 255

<210> 14673
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14673

anngctttta ctgaattgca acgttccaat tgttttttaa atggtgtaat caattacaat 60
atattggtaa tcgattacca gtgtatctga acattgaact tcaaattcaa ttgtgaagag 120
tcacatcttt tcataaaatg ctttgtgtaa tcgattacat nggttttgga atcgattacc 180
agtgacaaag tttgaataaa aatcatgaga tgtaactctt ccaatggttt tcaagttttt 240
ctcgagggtta taactcttcc aatggttttc ttgaccagac atgaagagtc tataaaagca 300
agaccttgac ttgcatttca ataacttttt aacaattctt tagaacaact tttgagaaac 360

ctttgctact tattcttctt c

381

<210> 14674

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14674

agcctaggct aaattagtct aaactttcat atgctattta agctaagtct agtccaacaa 60

gagggatcat gatgcaatcc tccctaggaa gggaccaatc actagaacca tgagcaagag 120

gctccaagaa gattgggcta gagctgctga agaaggccct anggttctca tgaaccttag 180

ggtagatttc tgagcccatg ggccaagggt ggggtccaatt atctttgtac atattagact 240

aggatgtcat tatatttggc ccttgatat agggctccat attgtaggta ggggtaccctt 300

gaaatatagg atttttcagc ccttgatatt ttgggcacct agactagttt ttatattagg 360

ggtagttttg taatttcaca tgcactaagt ggatattnga tat 403

<210> 14675

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14675

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tgagtactca agatgcatat ataggatgaa gtttggtggg tggattactt agcttttgtg 120

ctgaataatt aattaagttc atgttaaaca agtggcctca ataacttaaa aaggagggt 180

gaattaagtt taaaaaattt ctctaaca catitttaatt ctctctttaa aatgattatg 240

cagacttaat atgcagaana gaagtaacga acaatttact tgatgcttct ttaaatatgc 300

aaagtaaaat taaactgcaa taaattaaaa gagnttatgg aagagagagt tgcacactca 360

gttttatatt ggtttgacca cgttctatgc ctacatccag t 401

<210> 14676

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 14676

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 ttcacccgac gaatacactg acaaaaaactt atctttctctt ttntggacaa agtatggcaa 120
 gctaggggca agtaaatttt cttcccatca gacattggat gcaactgtga tcgtatcccc 180
 atataagcta gatcttgacy gytattcaag ccatecttctg tcttgccctg aatgttaayg 240
 agcgtcccaa tcacactgtc acaaacatctt ttctacacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcaaacca gtacagaaga tcaaagaaaa tggacctctt cttccatatg 360
 caagtcttac ttttatcctt cttttgggtc ttcccaaata tagnattcna gtgttgaacc 420
 cgctgatata cctgctcacc 440

<210> 14677
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14677

agcttcatga ttgcctaagt gtggaccctt tttgcaatcc tccattctcc cctntnttcg 60
 gagcccatg aatgtcattg cctagcgtg ttcatgtgtc ctccaccttc gagtttggag 120
 ctatatttca tgattgccta agtgcgacc ctcaagggca atcctccatt ctcccccttt 180
 tttggagccc catgaatgtt atttcctagc ggtgttcatg tgtcctccac cttcgagttt 240
 ggagctatat ttcatgattg cctaagtgcg gaccctcaag gcaatactcc attctcacac 300
 tttttcggag ccccatgaat gtcattgcct agcgtgttc atgtgtctc caccttcgag 360
 tttggagcta tgcttcatga ttgcctaagt gcggaccctc aaggcaatcc tccattct 418

<210> 14678
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14678

agcttaatcc agaaaggact actactatta gttttgttca agtctctcat tataacattn 60
 tagnaatagt gatatttaca atttaaataa gcaaaaaaac atctgttggg accatttaat 120

gaacaaactt aagtaaattg aaaactttca cattgtttga taaaaataaa atttaaatgat 180
 caactcaciaa tttattgnta atataaatTT taaaattatt attataaaaa ttaataaatt 240
 tattatacat aaagaattat aattagatga taatataaaa ttttgtataa tgtaaatata 300
 taattttttt tctcataaaa ataaatgaaa caaagtttga atctagaaaa aatacatgtt 360
 ttaattatac tttcaaagag tgtctttatg ataataattg ataattgatt aagtcgcaat 420
 ctttaaataa tattataatt agattatggt ataagaataa t 461

<210> 14679
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 14679

acaaaagagc tatattgata aagtacttga tagattcagc atgaaagata gcaaaccaag 60
 ggatacccca atagctaaag gagacaaatt cagtctttaa caatgcccca ataatgacct 120
 tgaaagaact aagatgcata agattcccta tgcgtcatca gtagaaagtc tgatgtatgc 180
 tcaagtttgt acttgtcccg acataccatt tgtcgtaaga gttatgggca gatacttgag 240
 taatcctaga ttgcacattg gaaggcaaga tatgcgtaat gcgtacttga agagaaaaaa 300
 gctacatgct cactatcaga agtctgaaaa ttgga 335

<210> 14680
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14680

agctttttaa cntatataca gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctta gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
 tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
 ttcaaataga acaatttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg ttcggccaca cccttgtgcc tatgtccagt 300
 ccccaagcaa cccgcttgag agttccacta tcttgtaaatt tccctttaca agttctaaac 360

acacaaggac aatccttcct ttgtgttttag agatccttta caacaagaga ctcacagtct 420
 cttaatccct tagagaatga gaagaagaag aagaac 456

<210> 14681
 <211> 199
 <212> DNA
 <213> Glycine max

<400> 14681

tactgaatac tgcacatctg aaggcatcat tcatgagttc tctgcagcca ttacaccaca 60
 acaaaatggc atagttgaaa ggaaaaacag gatttttgca gaggctgcta gggcatgct 120
 tcatgccaaa gaacttcctt ataatctctg gggtgagcc atgaacacag catgctacat 180
 ccacaacaga gtcacactt 199

<210> 14682
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14682

agctntgagc caattcaaac gacaataact gtttcctcgg atgtcagtta ggggtcccgta 60
 atatatcgag acgctcgaaa ttgaatgtta aacctatgag ccaattcaaa cgacgatgac 120
 tctttactcc gatgtccgat tgagtcccgat gatatttcga gacgctcgaa attgaatgtt 180
 gaagctctga gccatttcta acgacaataa tcattttacta ggatgtttga atgagtcctg 240
 taatatatct tgacgctcga agatgaatgt ttaagctctg agccaattca aacgacatta 300
 actttttact cggatgtctg attaaggccc ataatatatt gagacgctca aaatngaattg 360
 ttgaagctct gagccaattc aaacgacatt aactttttac tcggatgatt gattgagtac 420
 cggaatataa cgagactc 438

<210> 14683
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 14683

aactttatgg ccttaaacia gcaccgagag cttgctacaa caaaatagag gcctatttta 60

ttcaaaatgg atttggtaga tgcctttgtg aacatacatt gtttacaaaa tcacaagagg 120
 gagggaaaca ttttaattgta agtctctatg tcgatgactt actatatact ggaaacgatg 180
 gaagtatgtg tgatgagttt agaagatcca tgatgacaaa cattgatatg tc 232

<210> 14684
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14684

agcntttgaa ccttgaattg aaatgactgc tcatataaag gcttgattaa acttccatct 60
 tccaacgagc acagtaacac cctaggagga caaccaaggg aatcatgaat atcaacaaaa 120
 tttcgcatat gatgatcaag gaccacaatg tgcttcccct tgctgtgcgt aagtctgaca 180
 gggacctgaa gtggttgact tccatcaaca aaaagtttgg aacaatacaa attggactcc 240
 agaggaccat ctaagggtccc agtaaaatat attagacctg tagcctcatt cacaccggca 300
 atttgcctcaa ccatccattc accttcagtg atgggtccta aacaagtccc atttgcata 360
 tgaagataaa gatgtctaaa tcttggtttc tcaactagccc agataaatcc acccgaa 417

<210> 14685
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14685

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 ttctgttgat tgattgcgtt tgaaatgggt ctcttcgaga ttctctcatg tttttttttt 120
 atgttttttt ggatttcatt atatgtgtca tgtacgttgc ttaatgttct ttatctattt 180
 atttatagat tcattttttt ttcttaaaat gtcaatttta tagacatttt gtaggagatt 240
 ctgtaattaa gagctctttg aatgaaagta catatcggtg attcactatg ctgagttgga 300
 tttttaagca tgcttagata cccttcattg agtcacctat taatggagtt ggttccttat 360
 cagaggtgtg tatctagctt aattgggttg tggagacgta aggagtgtgt atctagctga 420
 atagagtggc acaagaactt ctt 443

<210> 14686
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14686

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agctnnqgat ttcttttaqt atggaatcta ttcttctctaa gatggagcca aacccaqtca 60
cccttattaa gaactagctc ttttcttcct ctattgcctt tagttgaata caccttttgt 120
tggttctcta tttggttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180
tcccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtgtt 240
aggggattga acccatagac aacctcaaaa ggggactact tgggtggttct atgaaccccc 300
ctgttgtagg caaattctac atgaggaaga tactcattcc aagacttatg gttgcctttc 360
agaagaatcc ttaaaagggg ggataaagac ctattcacta cctctgtttg cccatcagtt 420
tatggatgac 430
  
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<210> 14687
 <211> 325
 <212> DNA
 <213> Glycine max

 <400> 14687

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acatccgagt aaaaagttat tggcgtatga attggcttaa agcttaaaca ttcaaagtgt 60
agcgtctcgt tatattacag gactcaatca gacatccgag taaaaagtta ttgttctttg 120
aattggctca gaaggtcaac attcaathtt gagcgtctcg atatattacg ggactcaatc 180
agacatccga gtaaaaagtt attgtcgttt gaattggctc aaagcttcaa cattcatatt 240
cgagcgtctc aatatattac gggactcaat cagaacatcg agtaaaaagt tattgtcgtt 300
gaattggctc aaaagttcaa cattc 325
  
```

<210> 14688
 <211> 450
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14688

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atatttaciaa tacatctgtt ttcttataaa ttttaattaat gtttttttat gcactgatat 120
gcacataata tttatctagg gatatatata tatatatata taaagnatta catgtgattg 180
tacactgata tgtagatct atttgtttat aagttttgaa gtagatgtg ttatgttatt 240
atttttatat ttttttcta atgtttaagt atactttgtt attagttaaa ttgtgaaatg 300
ttaaattgta gacatgagat atggctgtga atgagtggtg gattaatact tgtagtata 360
ttacttatct tgtgaggtat gagttatata ataaccgac cagctgttac ctcgagaaat 420
attttatgca cagttgtaaa ggaaaaaatgt 450

<210> 14689
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14689

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aaatcgatgt tctagtaaaa ctgcagctgt tggccgctct gctggatttc ttttaaagca 120
gcacctcaag aaatctttac cctcaaatga aagtgtttca ggtataggag ggggtctcctt 180
cataacctta aacagagctg cagcctgcat aattagaaaa gaagtttatt tagcaagata 240
aaaaaaaaagg acccgatatac agatagcatc tctgcctaata ccacaagttg caaacagaaa 300
aaagttggct aaaagatgcc ttagctgggtt gttaaattga ggtttgcaa aataagtaaa 360
aagttgacac attatcttac attacaaac ttcagaatct catattctca tagaag 416

<210> 14690
<211> 368
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14690

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cttgggataa aggtagtgtt gccatgtttt caaagcccgt actaaggcat acaactcctt 120
atcataagtt gaatagttaa gggtaggacc acttaacttt tcaactaaaat aagcaattgg 180

atggccttct tgcataca cagccccaat cccaacattt gaagcatcac actcaatttc 240
 aaaagatttt tgaaagtttg gcaacgcaag tatggggaca ttagttagct tttgcttaag 300
 aacattgaaa gcttcttctt gtttctctcc ccatttgaaa ccaacattnt tcttgagcac 360
 ttcattga 368

<210> 14691
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 14691

tagagtgcac ctgcatgcat gcaagctgac accaagtaat ttctttcttg ttttatgtcc 60
 aaagtatatt tacgttggca taagaatata ccacttggat tccttgcaac ttctacacca 120
 agaaaatact tcagggtccc caaatctttc atgtgaaagc acttgctgag atatacttta 180
 aatttttggg ttgtagtggg gtcattccca cacacgatca aatcatccac atacaccaaa 240
 actaccagtt gcactccatg attaagaaga gtaaagagcg agtggtcaga ggatgattgt 300
 tgaaacccaa aattcgtgaa ggcaaatgat agtttggcaa accaacatcg aggggcttgc 360
 ttcaagccat acaatgattt gcgcaacttg caaactaatc ctgggtgaga tgtgcgaaa 420
 cctggggggc acttcatgta aacatcttca tgaagatcac catgga 466

<210> 14692
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14692

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 gagatgatga aaaaagtttg gatgcttgta agcattgttg tacatctaga tggaaaccca 120
 acaagaagaa gaaaatagct gcaaaggttt tacgttactt tccatcgaaa ccaagattgc 180
 aaagattgtt cacatgtcgt aagactgcaa aagatatgag atggcatggt ttggaagaca 240
 ataaagatgg gttgttaagg catccaagag atggagaggg atggaagaca tttgatttaa 300
 tccatcctga gttttcttca gatcctcgaa atgttcgctt aggccttgct actgatgggt 360

ttaatcctgc taggaccttg agttctacct atagcatctg gccagttttc ttaattccat 420
ataatcttcc accttgata tgtatg 446

<210> 14693
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14693

agcttattat gctagtttat tcacaactca ttatattcta tatttatgta attatagcag 60
aaactaagac ttgagtgcga caaaaaaagg acaaaaaagg ataaaggttt actggttttt 120
tttttaaaaa tactattata attataattc tgagtgggtgt tttattattt tatatataaa 180
aaagnccaat tgtcattgggt tatactacta tttagtaagg ttttacaaga aaaggaaggg 240
ggaggggggaa ttttcatttt aataaacatt tgatatatga ttatataaaa aaatacaâat 300
gttattttta taaaaattta atgctctata ttttgtttta tatatatcat ataatcctat 360
gactctataa acaaatatat aaaatatgct tcattccttt cccttataag aacataactt 420
ctaaatatat cttttttatt ta 442

<210> 14694
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14694

agctngcaat gacgcaccta cttcttcatt ttattatata caaagatgag tgtctcttaa 60
tcttaaatat tctgaatttg tttattagtt agaaataactt caatttgaac aaaatgaaca 120
ttgtctcttg aattatatga agggctctgc tcggaatctt tctgagttct tgattttatg 180
cggcataaat aaaaactaat atgatgtgct ttacgggcaa gggaaaaaaa ggaaaagttt 240
ttaaataata attactttat tttctaaaat ttaaataatag tgattatata atctttttat 300
attgttatct aatcatagat ttattaaaat atgtccaatt tctcttctct atattattat 360
tttgtgatac tttcattcta atatattctt ttogtgtctc aattttcctc tccctcttct 420
attctttctt tctttatct 439

<210> 14695
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14695

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 cagcgaanac aagcatactg cactctcttt ccaacccatg ttccgccgag cttgtgcccc 120
 gaccaagttc cctatcaccg acatctgggt ggctggattc gccacccgtc gacaaaacct 180
 cttnccttct gtgaaccact gcccgtagat cttcacgtcc agcaccacca ccggcaccgc 240
 gaacaccac cacagaacca agt 263

<210> 14696
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14696

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 tttaagcaca agaagagaat ttggaatggc acatagttatc tntggccaga ctcgtagtac 120
 cttgggtgta atctatagaa ataaaacaac ataagtcagg ggatacacia cttaaccttt 180
 acaatgttat tgataatcac aataaaatta catgatatat ttaagagtat tactacetta 240
 gcaaaagtgt ttaaactacc aatgtaaagc c 271

<210> 14697
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14697

gtcatatata ctgactcctc aagaatccca tttagaaagg cattgttcat atccagctga 60
 tacaactccc accaatgtga gagaagcagg gtgagattag tgcaaattgt cacaagcttg 120
 accacggngg ataatgtctc atgaaaatcg aaaccatgga cttgatggaa acccttagct 180
 aacaaccttg ctttgaactt tgtgataaag ccatcaacat tttcctagac tctgaaaaca 240

cacttacatc taatag

256

<210> 14698

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14698

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tttaacacaa ttgcctagtg aatgtgtgcc ttttgagggt gcactgatng atgattgaaa 120

attcaatatt tctgtgcatg atgcccgcgc gttgggtttgc accaaccaag cggatatgac 180

cggaaggatt cttgccatat cattggcttt ngaaagccgc atcctacatt accttattgt 240

tcacatattg cttcctagat cttcagatct tgctcaggtt tctgaagaag atctcattgt 300

catgtggggc tctcataaac gttacaaatt gattgggcac ac 342

<210> 14699

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14699

gcatgcaagc ttttgcaagc tgagatcatt tattctatct cctatatcca atgggtgagt 60

cgcgtgcagg tagtcccga naagactggc ctcacagtga tcagaaatga gaaggaggag 120

ctgattccta ctcggtgca gaacagttgg agagtctgca ttgactatag gaggctgaac 180

caggttacca aaaaggacca ttttccctg ccattcattg accagatgct tgaacgcctg 240

gcaggtaa at cccactactg tttccttgat ggtttttctg gatatatgca aattactatt 300

gctcctgagg atcaggaaaa gaccacattc acctgccct tcgacatt 349

<210> 14700

<211> 305

<212> DNA

<213> Glycine max

<400> 14700

cctctaattg gtcattcttc aatagattat ccgatgattc gctgcggata tgagcattcc 60

aagatgttat atggcggtga tatgcaccat tactgtgggt cttctcttga cgcggttaaga 120
accgggcaat ttcacctgct aaactcttca tagaatccac aacatcctgg atgggtaatt 180
caccgagcct ttccaaccag atttcacagg tggcatatat tggaggacca tacattctta 240
ggagtggacg ttggggctc ttatcttgcc tggcttttct taagagaaca catttggcag 300
ccatc 305

<210> 14701
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14701

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tgtcgcaagg gtttgtgggt tgtgctctc tgetgaccac catacagacc ttgcccctc 120
catgcagcaa cctggagcaa ttgaacagcc tgaagcttat gctgtaaata ttacaatag 180
acctctcaa cctcagcagc aaaattaacc acagcagaac aattatgacc ttctcagcaa 240
cagatacaac cctggatgga ggaatcacc taatcttaga tggctcagcc cttagcaaca 300
acaacagcag cctgctcctt ccttacaaaa tgetgctggc ccaagcagac catacattcc 360
tccaccaatc caacaacaac aacaac 386

<210> 14702
<211> 272
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14702

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ttccattgat ggtaaatctg atgcctccac ttcttatgca cccaactctg cataatataa 120
atgttactag ttagcccaat tttttttaa ccacatgtat tctttactag aaacaaaata 180
aaaggttaag acatatggca attgacataa cataaagata cttacttcct gtacaaaatt 240
ggtacaatgc cagctttgta cttggctatt gt 272

<210> 14703
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14703

gtacaagbce ctataaaaaat tggtagacaag acnttcaacy gctcgagtal cgaagatcca 60
 attaccalle tcacclillea acatalcaiy ttatltccgc ttccgtctga tccgtgtgal 120
 accatganaa tacttggtat tgtgggtcccc catatacaac catttacctg tggacttttg 180
 agaccaatga agttcttctt cagccaagac ttgttcatat tctatccaag tcttcttata 240
 ttctgaagct gcctacaaat cagacatgcc actac 275

<210> 14704
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14704

ccattgctgt tctgaatgat ctaagtccat ggtattcttg gaacaaagcg ntctctctga 60
 aaccaggagc tctttttccc catgttcccg cctctgagtg ttccttcaag tactttttca 120
 gcatatcaga tgaaacctga agaatacaat taatataaga agattaataa gatgtacact 180
 ataaacaatt cttctactct tctactatat ataagttagt atgttaatta cttacttgat 240
 tttctgccaa tcccatttgt ataactncgg aggagtttgt taattcatca taagggttct 300
 cgtcatangc tctccacca gcaaaatagg gggag 335

<210> 14705
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14705

gtccnctaatt ctctctctca tgtcggcgtc catcanaatg gtgctcgaat tgatgtccct 60
 gtgaataaca acctgggtccc aaccgtggtg aaggtagtta agcccctctg ccacgtcgac 120
 aaggatacga cggcgtngct cccaccccag aagcttctcc gacttatcga anaccactt 180

gttgagactc ccgttgggca tgtaatcata aaccaacata agctcgtccc ctttctgcac 240
 caccctctca tttgaaccaa gttcttgtgc tgaagcctcc ccatgcttga aatctccgcc 300
 atgaattccc gcaacccttg cttcgaatcg tggttcacgc ac 342

<210> 14706
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 14706

tttgagcgcg tcgtaatatt acgggactca atcttacatc cgagtaaaac gttattgttg 60
 tttgaatggc tcagagcttc aacattcaat ttcgagcgtc tcgatatatg acaggactca 120
 atcagacatc cgagtaaaaa gttattgtcg tttgaattgg ctcagagctt caacattcaa 180
 tttcgagcgt ctcgatatat gacaggactc aatcacacat ccgagaaaac aatattggcg 240
 tttgaatttg ctcagaggtt caacattcaa ttttgagcgt ctcgttatat taacggactc 300
 aatgagacat ccgagtaaaa agatattgtc gcttgaattg gctcagagct tcaacattca 360
 tattcgagcg tctcgatata tgacgggact caatcagaca tccgagtaaa aagttatt 418

<210> 14707
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14707

atatatcgag acgctcngaa atgaatgttg aagctctgaa ccaactcaca cgacaataac 60
 tttttactcg gatgtctgat tgaggcccgat aatatatcga gacgntcga aatgaatgtt 120
 gaagctctga gcccaattcaa acgacaataa ctttntactc ggatgtctga ttgaggcccg 180
 taatatatcg agacgctcga aattgaatgt ggaagctctg agccaattca aacgacaata 240
 actttttact cggatgtctg aatgacgccc gtaatatatc gagacgctcg aatngaattg 300
 tngaagctct gagccaattc aaacgacaat aactctctac tcggatgtct gattgaggcc 360
 cgtaatatat cgagac 376

<210> 14708
 <211> 476

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14708

agctnnggca aatntcgaag ggggtatatt gtgaaattta tagagccaac aagaaaaagc 60
accagcgcg aggcatalgat ctacaccttc tcttaattgg tggctntaac ataatgaaa 120
atgagacgtg ttcatcaaac aatttcgttg attagaaaat tctaacttgt accigacatt 130
catggttgag tgagaccaac ctatctcaaa tattaatata ttatttaaac tagttttgta 240
tcgtgtaacg tacagttttt ttaaaatatt atataagaat tatttatgat atnagattga 300
tagataaaaa ataataaat gttatattgg taaaatatga ccaacatatn taaaaaaaac 360
atagcaagtt taatttttca naanagtatc taatagatga acaatcacta aaaaattgaa 420
gaccattgtc tcacttcgat ataaaataat tatataagaa ttaatatatt tatatt 476

<210> 14709
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14709

gggccatgca agttgaaagc cttggaggaa agaggatatgc ctatgttggt gcggatgatn 60
tctccagaat tacctgcgta aactttatca gagagaaatc agacaccttt gaagtattca 120
aagagttgag tctaagactt caaagagaga aagactgtgt catcaagaga atcatgagtg 180
acccatggca gagaatttga aaacagcagg ttactgaat tctgcacatc tgaaggcatc 240
actcatgagt tctctgcagc cattacacca caacagaatg ggatagttga gaggaaaaac 300

<210> 14710
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14710

gaccttaaga ggggtgcaag tggcaggttc ttgaacactg ctgcttatgg ccactttgga 60
agagatgacc cagacttcac atgggaggtg gtcaagcctc taaagtggga ataatgccat 120

gaataaaagct gattgccaag aaactatgtg tgatcttata tgctntcata cctaagatcc 180
gngatatgat ttgccttagc ttttgtatct ttataaataa ataaaacata tatatgtcga 240
gttgagtata tgaacataca aaggaagctg catagcagca tcaatgtact attggaagtt 300
aatgtttgag atatatccgc taccatcgct atccattatc cattatgtgt cctctcaatn 360
gctgagagac ttagagaatc ttgagctctcc tcattaacta attggac 420

<210> 14711
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14711

agctgtggtt ctctgagtat ataggatgga ccacttccaa caaaacaatt gatgcaatcc 60
tacctcccaa gatcatcgga tagaagactc caagaagatt gtgccaaaga tgcaagagaa 120
ggccctaggg ttctcatgag ccttagggta gaattctaa cacatgggcc aaggttgggt 180
ccaatttatc ttgtacatat tagactagga tgtcattata tttggtcctt gtatataggg 240
ctccatattg taggtagggt atcctagaaa tataggatat ctgagcccct gtattttacg 300
gcacctagac taggtttcgt attatgggta gtnttgtaat tcacatgcac taagcggata 360
tttg 420

<210> 14712
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14712

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aacttctaga tgatgcgctc catgagagggt tggatcaaatt ggagaataga gatcataatg 120
aagaagaaaag gaggagaaga gggaatgatg gtgttcctag aaaaaaccga attgatggta 180
ttaaactcaa cattctctcc tttaaaagaa agaattgatcc ggaggcctac ttgcagtggg 240
agatgaaaat agagcatgggt ttctcatgca acaactatga ggaggaccaa aaggtgaagc 300
tggctgccac ggagttttcc gactatgctc ttgtgtgggtg gaacaagcta caaaaggaga 360

gagcaagaaa tgaagagcca atggttgata catggacgga gatgaaaaag atcatg 416

<210> 14713

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14713

agctntctat tcanacctat atatccaatt atgctcttta atttatgaag nttatgggat 60

taagatgggc attgaccaat ccctattcta tgatttaacc caattgccaa gtgaagatgt 120

accatttgaa ggtacattga ttgatgattg gaagtttgat ttttctgtgc atgatgcccc 180

ccggttggtt tgcaccaacc aagcggatat gaccggaatg cttcttgccc gctcattggc 240

tttngaaagc tgcatacttc attatgtaat tgttcgcata ttgctttcaa gatcttcaaa 300

ccttgacacag gtttctgaag aagatcttat tgttatgtgg gcttatcata aacgcctaca 360

aattgagtgg cacatcttgt agatatcgat gcat 394

<210> 14714

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14714

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ttatcacaaa tgaagtcctt cttctcatat cagtgtttgt gtctgacctc ataatacccg 120

ccactgcaaa acatcatctc aggtagcaaa catcttgatg caatcctccc taggaaggga 180

ccagtcacta gagctatgag cagcanggct tcaagaagat ngtgctagag tagctgaaga 240

aggccctang gttctcatga acattanggt agatttctaa gcccatgggc caagggtggg 300

tccaattatc tntgtacata ttagactang atgtcattat atntggctct tgtatttagg 360

gctccataat 370

<210> 14715

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14715

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tcacagtgat cagaaatgag aaggaggagc tgattcctac tcgggtgcag aacagttgga 120
gagtctgcat tgactatagg aggctgaacc aggttaccaa aaaggaccat tttccctcc 180
cattcattga ccagatgctt gaacycctgg cagytaaato ccactactgt ttcllgaagg 240
ttctctggta tatgcaaata ctatgctctg ggacaggaaa gaccacattc acctgccctt 300
ggactttgct atanaggatg ctttcggctg tcaatgccct ggaccttcaa cgggctgata 360
gatttttagtg cttttagaaa tgcataagtg tatggtgatc atgattggtc tcttgaggtg 420
ttgaagttga aagttgataa tgctgaacta ctgtt 455

<210> 14716
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14716

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gcagaacaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120
cctcagatgg tccagccctc agcaacaaca atagcagcct gtccttcct tccaaaatgc 180
tgggtggccca agcagaccat acattcctnc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaactngtga ggcanatgac 300
tatgcagaac atgcagtttc agcaagagac cagagcctnc attcagagct taaccaatca 360
gatgggacaa ttagctaccc aatggaatca acaacagtcc cagaattctg acaagctgcc 420
ttctcatgct ggtcaaaatc caaaaaat 448

<210> 14717
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14717

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cataactcgc atttttcttt tcaatttgag ccttcacttg ctcatgcagc ttcttcacat 120
 actcagctnt agcctgtgcg tccttatgct taaacatagt aatgttaggc ataggcaaca 180
 aatcaagagg agtcanagga ttaaattccat acactatctc aaatggtgaa caattagttg 240
 tgctatggac agtccgatta taagcaaaact caacatgagg caaacatgct tcccaagatt 300
 taagattttt ctttaaaaca 320

<210> 14718
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14718

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 taagtacatt caccaggaaa acattgttgt ggaaggaaat tgtagcactg tgattcaaaa 120
 gatccttcca gctaagcata aagaccctgn gagtgcact attccttggt taattggaga 180
 agtcattgtg ggaaaggctc ttattgactt aggagccagt ataaatttaa tgccactctc 240
 catgtgtaga aggttaggag agttggagat aatgccact aaaatgactn tacaactggc 300
 tgactgctct attaccagac catatggagt aattaaagat gtgctgggtca gagtgaaca 360
 tnttatcttc ccgggagact taatggtaat ggatatctgt gaagatactg acattcctat 420
 aatattggga aggccattca tgttaactgc tagnttgcac agtgacatgg gt 472

<210> 14719
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14719

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 aatctgtact tgtcacaagg gtttgtgggt tgtgctcctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc gaaagcttat gctgcttata 180
 tttaacaataa aaactcctca cctcagccag caaatcaacc acagcagaac aattatgacc 240
 tcttcagcaa cagatataac cctgtatgga ggaatcacc taacctcaga tgggtccagcc 300

ctcagcaaca acaacagcag cctgctcctt ccttcgaaaa tgctggtggc ccaagcagac 360
 catacattcc tncaccaatc caacaacagc aacaacccca 400

<210> 14720
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 14720

cattggattg acaaacatga atgagagagt tctcggagcg acgcatagag gaactgacat 60
 agagctcacg ataggtgaag ggagtttatt ataatttacg ggctttgata ccatagttag 120
 tgatgtagct ccatgtggag cttgtaggcc ttgaatcttc ttcataata gagtcctttg 180
 cttcttgaag gtcaatggca gcggaatgga gacggaaaaa gaccattgga gatgccactt 240
 caagaaaata tgagtaacaa caagctccca ccataagaag ctatgataca 290

<210> 14721
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14721

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 aactggacca atgagnttcc attntntctt ttatcttcat attaataatt tgcaggtgga 120
 gaagattgag gacagtatta aattcataaa ttctagacct aaacctcttg ccctttatgt 180
 tttcaccana aaccaaacac tgcagagaag aatgatctt ganacatcat ctggcagtgt 240
 gactatcaac gacgcaattc tacaagtaat accaataccc tatcaagcat taatattcca 300
 ctcttaatct aatctttttg catattttat ttattaattc ctcagactta gtgcataata 360
 tttgtgttaa atntgtgcag tatgcagttg atactgttcc atttggagga agtggggaaa 420
 gtggggttgg catgtaccat gggaaattct cctttgacac att 463

<210> 14722
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14722

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gtggcatctc caatcacctt tcttcattct gcattctgtt ggcattgatt ttcaagaagc 120
aaagacttt atfgatgaac aagatctaag gccacacagc tctacgtgga gctacatcat 180
gtggtatcag agcattttca tctaggtgat gttctgttgc ttcctttatc ttttgtttag 240
tcaattcaat ttaattccat gttcttcatt gtcttctcca tgtatctcct ccattgtctt 300
gtggtttggt gctattttana gtagattcaa aaaaataaac ctattaaatc ttaaactctgc 360
acttgnctct gcatttctat gggtcaaaat ttatagatct actcttgaat catgtttttg 420
tggttgattt aggttctatc atctttcagt cataatcttc 460

<210> 14723
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14723

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ttcacatgcc ttttgtaag cttgccttgc cccttgatat atttgaggga ctcatggctg 120
ctatgaatga caaatcctt gggataaagg tagtggtgcc atgttttcaa agcccgact 180
aaggcataca actccttctc ataagttgaa tagttaaggg taggaccact taacttttca 240
ctaaaataag caattggatg gtcttcttgc aacaacacag cccaatccc gacatttgaa 300
gcatcacact t 311

<210> 14724
<211> 347
<212> DNA
<213> Glycine max

<400> 14724

aatctgcacc tgttgcaata gtctgtggtc tatgttcttt tgcagatcac catacagaat 60
cttgttcatc tgtgcagcaa tctggagtcc atgagcaacc tgaagcttat gctgcaaaca 120
tttataatag accccctcag cagcataacc aacaacagca gaataattat gatctttcaa 180

gcaacacata caatccagct tggagaaatc atccaaatct gagatggaca agtcctccac 240
aacaacaaca gcatgttcct tcttttcaga atgctattgg tccaagcaag ctgtatgttc 300
ctcctccaat acaacaacaa cagtcacaac aaagacaaca agcaact 347

<210> 14725
<211> 391
<212> DNA
<213> Glycine max

<400> 14725

cttgtgagaa ctcacatcgg atcaaacgac taatcatatc agtctgttta tgaggaaacct 60
gatgaagacg ggttgttggg gtttccctct cgcgatcact cctaactgta gctgcttcag 120
ctttgaggac caatataaca gacttatgcc ctcttgtctt gccgtattcg gagcagctgc 180
gctatggatg atcagtgatt tgcaggaata tcttggcaag ggtgaacaag gaaatgtatg 240
tgccgaattt caggaaggct tttgagcatt tctgcataga tgccggtggg aagtcagttg 300
tcgacgccat agaggaaagt ctcaggctgc agaagaaaga cggcctccag gatggcacta 360
tacagatttg gcaatacttc atcttcttct g 391

<210> 14726
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14726

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atcgagaggc tcgtaattga naacggaagc tcggataaaa atcaaacgac aataagtctt 120
aactcagatg tcctattgat ccctgtaata tatcgagaca ctcgaaattg aaaacggaag 180
gtctaagaaa agtcaaacga caataacttt taactcggat gtctgattga gtcccgtaat 240
atatcgagac gctcgtaatt gaaaactgaa gctctgagca aattcaaacg acaataactt 300
ttgaatcgga tgttcgattg tgtctcatag aatatcgaga cactcgtaat tgaaaacgga 360
agttctgaga taaatcanac gacaataagt tttaac 396

<210> 14727
<211> 375

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14727

cattcctctc ttcccttana cttcttttat ttattgctat ntatctttcg ctctatagaa 60
gtttattttg aatagtcttt tgagtaattc atgttaagag tgcattgcta atccgaaaag 120
agagagtgaag agtttaattg gggaatagtc tttgcatctt aattcaaccc ccccttctt 180
aagataactg aggccatatg tccaacatcc tattcttgac aactcgcttc tcgaagaaga 240
caaactttcc ggaatgataa aatgaggcca catgaacgtc tatattttta cttgaaaaca 300
cagtcaatca aatgcccttt ttctttttga acccctttgt tttattatgg aacttaattt 360
gtttgaactt taccc 375

<210> 14728
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14728

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ataaatggag aaagtggatt tcagcttgtc ttcactcagc aacaatttcg atccttatta 120
atggcagccc tacaaagga gttacccctt ctagaggctt gagacaaggg gacccctag 180
ctcccttact ctntaacata gttggggaag gcatcacagg ctttatgagg gaagcagtcc 240
ggaagaatct ctatagcagc tacaaggttg gtatgaaaaa tgagcccaca aacattctgc 300
agtatgcaga tgatactgtt ttngtgggtg aggcttcatg ggacaatgct ttggtgttga 360
aggctatgct aagaggctat gagctggtct cgggcttgaa gaataactat gctaagaagt 420
caattggtgg tata 434

<210> 14729
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14729

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 ttggcattta tccagttggt gtgtatccct tgatgagtca gcatgaacca taaaactttt 120
 ctctttctac cccgaagaca cacttttcag ggttcaacct catgttatac tttctgagct 180
 ggcagaagac cttntgtaaa tctgtgatgt gggttgctaa atcattagtc tttgacctcc 240
 atgtcatcca catagacttc taagtttcat tcaagctaac actngaacac tntgtccatc 300
 atatgctggt aagtagctcc ggcattttta agttcgaatg gcataaatnt gtagtagtag 360
 tttgtggatt cgataataaa tgttgtcttc ttctcattga tagcgtccat ctttatctaa 420
 ttgtagctgg aatatgcat 439

<210> 14730
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14730

atgctttaaa tgaacattca ggggaaacgt ttggtcaacc gaaactggng aataaatcac 60
 tcatggtgta taaaaactca cacaggtaag tggtttacct ttaatctaaa ccatagctgc 120
 accatgactt tatntgcac atgatttctt atcgaaccaa aagattacac gcgcgatcac 180
 ggatcaatag gattttctca aggggtgatgt ttttggagag gaagctgggt gttttggtct 240
 tttcctcttt gtttacgtgg ggcgggacat tgccagtcga gagcgacctt gaatggcaat 300
 cccaaaggaa gaaccacttc aaaatgggtt ttccctttgc cggcgggtcat ttaccacgcc 360
 gaanatttat ctggtccgaa gatcttctgt tctctttcct gggttccttt attgatcgag 420
 aattattctg ttttctccg a 441

<210> 14731
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14731

tccttttagta gggaatctat ccttcctaatt atttatccaa acccagtcaa tcttattaag 60
 aactagctct tttcttcctc tattgccttt agttgaatac acctttgttt ggttctctat 120

ttggtttctta accctctcat gcaacttctt tacaaattct gacctagatt ccactttctt 180
 atgtataaaa gaagtgtcca gtgggaggtg aatgaggtct aacagtgtta ggggattgaa 240
 cccatagaca acctcaaaag gggactgctt ggtggttcta tgaaccccc tggtgtaggc 300
 aaattctaca tgaggaagat actcatocca agacttatgg ttgcctttca gaagaaccct 360
 tanaagggtg gataaagacc tattcactac ctctgttngc ccactnagtc gtggatgaca 420
 agtg 424

<210> 14732
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14732

tgaattagaa atctgcacct gtcgcaagac tctgtggttt atgctcctct ggcgaccact 60
 atacagacct ttgcccttat gtgtagcaat ctggagcaat tgaacagtct gaagcatatg 120
 ctgcgaacat ctacaataga cctnctcaag ctccgcagcc aaatcagcca caacagaaca 180
 attatgacct cttcagcaac aggtacaatc tcgggtggag gaatcatccc aaccttagat 240
 ggtcgagtgc tccacaacaa cagtagctac aacaacaaca gccttatttt tagaatgcta 300
 ttggcccaag cagaccatac gttcctgcac taat 334

<210> 14733
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14733

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 agttattgtc aattcaattt tctccgaact tcggatctaa atgttgagcg tctcgatata 120
 ttacgggact caatcagaca tccgagtga atgttattgt cgtttgaatt tgatacgagc 180
 ttccgttcta atattggagc atctctcgat aaattacgac attctgtcag gcatccgagt 240
 aaaaagttat tgtcgtttga atcttctaag agtttccgct ttcaatttgg agcgtctcga 300
 tatattacgg gactcaaccg gacatccgtg tataaagata ttgtcatttc aatttgccta 360

gagcttctag tctcaattgt gagcgtctcg atatatcacc cgattcaatc ggacatccga 420
 gt 422

<210> 14734
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14734

atgatgatat aattaaactn tatcaataat atatataaa caatgataac aacatttgat 60
 tattcaagtt aattaattgt atctataacc tcttctaaac aacctaaaaa tttattttatt 120
 ttattaatta aagttaaaaa tatcaattta agttatttaa ttaaaggacc acagctaggc 180
 gtgattttta aaagaaaaaa aatgtataga tgttttaggt catgtattta tatattagca 240
 tttgtgtaat catttttaag tacaaaaata atttttacaa aaataaatat tttttagatt 300
 aaattgtcaa ttcataatta aggacaatat aattgaaaaa ttatatacct aaaatcaatt 360
 taaaaaatgt atgaattatt ccgacaagaa aatattcaaa atattttcac ttctaaagggt 420
 gagtacatat acactatatt ctaaataattt cac 453

<210> 14735
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14735

gagatcatcc nctcgacaac attattggtg atatctttat tngngtaacaa ctagacattc 60
 tcttagagat ttatgcaaca atatggctcc tgtatctatg attgaaccta anaatataaa 120
 agaagccata gtagatgata actggatcat tgccatgcaa gaagaactaa accaatttga 180
 aagaaacaat gtgtnggaaa tagtagaaaa acctgaaaat tatectgtta tagggacaaa 240
 atgggttttt agaaataaat tagatgaaca tgggtataatt attagaaata aagccagggt 300
 agcagcaaaa ggttataatc aagaagaagg aatagactat gaagaaacat atgctcctgt 360
 tgcaagatta gaagccatta gaatggcttt ggcatatgca tccataatgg attntaaact 420
 ntatcaaatg gatgttacga gtgcctttct aaatggctta attcaagaag aggtatatg 479

<210> 14736
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14736

atgagtgcat gtccaatgga aattgagtta tatotTTTTt tttotTTTTnca ttgctaget 60
 ctttcgtgtg gtagaaaatc aattgactag aatacaagaa tcaaaataac agctagtgtg 120
 gctagaggct tagagtatTT gcatagtaaa atgaaacctc ttatcatata tgaagacctg 180
 aaatgctcca atatcctgtt aggtgaagga tatcattcca agttatctga ttttggtt 240
 gcaaaagtag gatcaagtgg tttgtgaaat agaaaggata acataactaac atgggagcaa 300
 tttaggataa cacatgttgt tctaccaatt ctgctggagaa aataatggaa tttttttttg 360
 ctcatctaaa gtaagttgta tatatataaa tgagtaccag aggtactgta gatacataat 420
 gggagtggat agcagctggt ctgaagccaa gatcatataa taaaaccaag tgacccgaag 480
 aacatatcat ta 492

<210> 14737
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14737

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 aggcaaaaga tcaagaggag ttagtgggtt aaaaccataa acaacttcaa aaggagaaca 120
 attagtgggtg ctatgaacaa ctctattgta agcaaattca acatggggta aacaagcttc 180
 ccaagttttt aagttcttcc tcaaaacttt cctaagcaaa gttcccaaag tcctattaac 240
 aacttccgtt tgcccatcgg tttgtgggtg acaagtgggtt gaaaataaca atttagtgcc 300
 taacttgctc ctcanagtcc tccaaaaatg gcttaggaac ttagagtccc taccactaac 360
 aatgtctcctt ggcnaacctg gagtctcaca atctcttgaa aacaaatcgt cacatgggaa 420
 catcataact ttttcatgga taaatgacca ttt 453

<210> 14738

<211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14738

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agcttccctt gataaggaag actottatat atgcaattaa tctagttggg tttatctatc 60
ccattcttag taccttaagt ttgttgagaa attttacaaa caagagggaa ttggtgagac 120
atgctattac tagatttggc acttcttata taaccttgga aaggcttcac aaagagaaaag 180
ccaatattag aaagatgttt acttctgatg aatggacctt gaacaagcta tctaaggagc 240
ctaagggaag agaagctgca aaggtagtgc tcatngcctt cttttggaat agtgtggttt 300
acactcttaa agtcatggct ccacttgga aagtgttcg tcttgtggat ggtgaaagga 360
aaccagccat gggctatatt tatgaagcaa tggacaaggc aaaagaaaca attatgaagt 420
ctttcaacaa caatgaaagc 440
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<210> 14739
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 14739

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cttacctaag catctgttct agctgttcct gacacttcta agactcctga gccacgatgt 60
caagccgctg gagcgggagc tggagctgta ttgttacaag gaggtcacct tattgcttat 120
tctagagaga aacttcttag tgccaccctc aactaccca cctatgatga agagctttat 180
gccttaataa gagccctcct aacttgggaa cattac 216
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<210> 14740
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14740

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taagctccta gctatcctca tagtatgcct ttatgagagt agtatatgaa gttctagtag 60
gtttacatcc gtttgccacc atatcaacca gataatctat ggcaagactg gtttgctgag 120
ctttacatag tcccatcatt attga'gttat aaatgaatgc attgggttta ataccaaacc 180
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ctttaagaat ggaaaatttg attggttatga actttcttca cactangccc ccactactga 240
 agtgcaagtt attagatcag gcttaagacc cttataacac atctcttcca agagctctac 300
 agccagttcg gcttttccca cctctaagag cccattaatt attata 346

<210> 14741
 <211> 420
 <212> DNA
 <213> Glycine⁺ max

<400> 14741

acttgatatg gtctcaatga tagacacgaa catgtataaa attttatgtc ttacatgttt 60
 ttcttattat tctaccttaa actggcctag gtttgaattt aatttctttt tggaacatca 120
 tgtctatttt gaaaatatat attcattcgt taaaagtgtc ttctgtctga aaaaattatg 180
 tcttatatag tttttcttca aacaataact ttgttttctt cataaaagtc tcgagagatt 240
 tctaaacata taattcaatc cttcttgtga tattcgctg tacaggtggg aagcaacaca 300
 taacacagtt atattaaaca tattatgaat acaaatctat aatatactat agtcatcaca 360
 atatgaaaat catctaatta tgaatacaaa tgtatactat attatagtaa tcacaataac 420

<210> 14742
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14742

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 taaggaccca ggtactttct gtataccttg cattattggg aacagtaaatt ttgagaatgc 120
 catgctagat ctaggagcat cagttagtgt catgcctctg gtcattttca attcttaatc 180
 tcttgacctt tacaatctac agatgtgggtg attcatttgg canatagaag tgttgcttac 240
 cccacaggtt tcatagagga tgtgntgggt caggttgggtg aacttattnt tcttggttga 300
 ttttatgttc ttaata 316

<210> 14743
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 14743

cttgtgtgta atcgattacc agacatgaaa attcaaattt caaatctgaa gagtcacaac 60
tcttcagaaa ctaactgtgt aatcgattac aacaattatg taatcaatta ccagtaagga 120
atcttcgaaa ataactccca agagtcacaa ctgttcaaga agtctttgaa tggctatcaa 180
aggctatata ataggtgac tgggacatga aatcttcgaaa aagagaattt tcttgaacaa 240
attgtcttat cctctcaata ccaaattgtc ttataactct caaaaagaat tccttgggtca 300
aaacacttgc aaatttaata aggaatcttg agtgatcttc aattgtaata tttttctctt 360
atagagagaa ttcttcttct tcttcttatt caaagagatt gattaaggga tgcagagtct 420
ctttgt 426

<210> 14744

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14744

actaagcttc cataataatg ctaccactat ttggggcttg ctattccatg atacatgttc 60
agaccctang aatngacatg taccactagt actcttcta tctattntg atccagcaaa 120
atctgaatca gagtatccta ctaggttgca taaagaattc ttaggatacc ataatccta 180
actaaatgtt cctaataaat atcttataat tctttttact gccattaaat gtgaaaactt 240
tggatctgat tgaaatcttg cacacatgca tacactaaac ataatgtctg gcctacttgc 300
agataagtaa agtagagatc caatcatacc tctgtattgc tttggatcaa caggttgacc 360
ggattcatct ttgtcaagat aacaactcgt attcataggg g 401

<210> 14745

<211> 361

<212> DNA

<213> Glycine max

<400> 14745

ataaactgaa ttatactagc aaaggaatgg taagagatgt taaagttata tttatcaatt 60
atcaagacta agtacattat ctcagatcac accttcttgc ttattcttat agggaaatga 120

tcatttttatg gcaacataag taattgaagc cgtaaaggat acacctctac tgccaattca 180
gtctgggaaa gacctgaact aaataacttt ccttgccaat gtaggtcacc gccataccta 240
gtcaagggga acaaagttag gcaactcatt aaagcctagt taaagggta gtcattctaag 300
ttcgtgtaat atatcattaa tataatatat cacttattac atcttagatg aactatata 360

6

361

<210> 14746
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14746

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atttaattct atattattaa aaaaataaat attattcatt ttaaaatggt taatttttaa 120
aaataataat tatgatacac tacctaatta agagaggaag natcttacc ataatagatt 180
aaaaatatat atttgagaat ttatatagaa aaagtattaa tggagcatta acaatgcata 240
attggataga tgaagtgggt atttttaatt tgcggactta taattntaca ntaaatgaag 300
tattctacac gaaaatntac tccaatggta aagttgttaa aaatgagtga ttaacataat 360
tntacatata ccacaatcat tgaaaaatgt ttttttgggt ataaaaattg taagcaatat 420
ggttatataa acaatattat atcac 445

<210> 14747
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14747

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accaacctgt actccctgtg agctaacaac aaaaccaagg aaaactacat ggtccaaaca 120
gaatgcacat ttatccatgt tagcatataa gctcaaacgc ctaagggcc aaaaaagtct 180
cctcaaagtc acaagatggt catcatggaa ttcgttgtaa atcaagatat catcaaaata 240
aaccacaaca aattttccta gaaattcctt taacacatgg ttcattaatc tcatgaaagt 300

gctaggagca ttggtcaacc caaaaggcat aaccagccat tcatacagct catatttagt 360
 tntgaaagtt gttttccatt catccccctc tctaatecta atttgatggt acccactttt 420
 ata 423

<210> 14748
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14748

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 catttcatag agcttccatt ttcaattccg agcgtctcga tatattaaag ggctcaatcg 120
 gacattcgag ttaaaagtta ttgtcgtttg atttttctaa gagcttccgt tttcaattcc 180
 gagcgtctcg atatcctatg ggacacaatc ggacatccga ttcaaaagat attgtcgttt 240
 gaatttgctc agagattcag ttttcaatta cgagcgtctg gatataattac ggcactcaat 300
 cagacatccg aattaaatgt tattgtcatt tgactcttca tagagctctc cgtttcaatt 360
 tcgagcgtct cgatatatca cagggtcaa tcggaca 397

<210> 14749
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14749

aacttcatga gatgctagca actggttgtt cccagttgtg atgatgattt tgctgtccgg 60
 accaaaccaa tcaggtcttc cagcaattgc ttgtaattgc ttgtgtatgt caacatcatc 120
 tagaatcaag agaacttctt ttcccatgag cctagactgt atgattgaaa ttccttgttg 180
 cttacttgtt aagttgatgt tcatctctcc tagtatttct gaaagaagga ttgtttggag 240
 gtgttctaac ccgtgtttgt ttgacttttc cctcacattn gcaagaaaac acanacaatc 300
 aaacttctca gcaattatca actatgaagc acggacacgt 340

<210> 14750
 <211> 359
 <212> DNA

<213> Glycine max

<400> 14750

actagcttga ggatgtgatt gaagcacogg tatgttttta ttggcaaaac ccaccaaaaa 60
aagctggcat atagtaaaga aagattctat cgctgcagtg aatgaatttt tcgagaaagg 120
atctttatta taggatttta ataactactct cgtgactctc attcctaaat ctattactgc 180
taagactgtc aaggattaca ggccatttgc agtttgctcc accttttata aagtgactca 240
aaattttttg actacgaggc tagggatagt gatacaggat attgttcata ctatccaagc 300
aacttttgta cccggtcaag tcattcacia tcatattctc cttgcaactg agctgatga 359

<210> 14751

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14751

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tttagctnga acttcacctg taacatcctc aggttctggg tcacttaata tttctgcatt 120
gatatgcctc attggcttct tgcttggatc atgcttgtcc ttcctccatg tgttcagctt 180
atcaaattgg acatccttac taaaaactat ttgattcggt cttggattta agagtttgta 240
tgaccctatg ggattgtagc caacaaagat catgtgttca ctcttgtcat ccaatttcgc 300
ccttgtttga tcaggaatat gtctgtaaca tgttgaacca aaaactctca tatgcttcac 360
agatggtggt ttccctgacc atacagcttc tgggtacttg 399

<210> 14752

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14752

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nnnatgcaca aacaggcagc atgggcgtgc tgggtacttg tggggatata aagggcagcc 120
aagtgtctca aagtgcagtg tgcgaaaaca agtgggtgtg gcatgaaaat cctgtcttgt 180

caaacgccta tatattacgg aagcaacagt ttgctagtta gggataaggc atggttggct 240
 tgggcagaga acatggaagt gagacacaca tgcctaaatg gtcctgacag ctacaactat 300
 ggagcttata gatggactgt tcaacttgtc acaaacgata atcgattgga aaagatactt 360
 ttccctatct tcttgggcct aatgactctc 390

<210> 14753
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14753

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 acttcattat gaagatgcc aacttgcctc aggtcatgtc ctttggcctg aaaaatgcac 120
 gcgttacata ccanagatta atggaccaa ttttcaaaca gcagatcgaa caaaatgtca 180
 agatctatgt cgaagacaag ggtgtcaa atctatagcat agtccaacat gtggcagacc 240
 tagaagaggt attcggagaa atttacaat acaacatgtg ccttaactcg aanaaatgca 300
 ctttcagggt cggcggaggc agattcctct tcatgatcac acatctggga ataaaagtca 360
 accctgacaa atgcataggc atactggcga tgcatagtcc taccaacatc caagaagctc 420
 aaatgctgaa tggtagact 439

<210> 14754
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14754

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 aaaggcaatt tagtgaagat cgagaggcta ctatggcatg tttcttatat gggttgaata 120
 gtgatataag ggatgttata gagttgtaga attatgtgga gttgaagaac ttagtacatc 180
 aagttgctaa ggtagaacaa caattcaaga ggaaggacag agataagaat aagtgaggt 240
 cttcttcaag caattctatt gctgcacctc aaagggtcaa aattaagtcc aatgagtccc 300
 ctaaaaaaga caaggagtaa tgaggtaaaa tgcttcatgt gtttacggag aggtcacata 360

gctatgtagt gtccaactaa gaaaattatg ttacttaagg atgatt 406

<210> 14755
<211> 285
<212> DNA
<213> Glycine max

<400> 14755

tccactcagt ctcccttctt cctaaaggag catccctcag ttageccttg cgggccaccg 60
gttggttgac acaagacagt ctggcagttt ccgcatacaa caacagtctg agagtggcta 120
aagacagtgg ttctgcagtc atattcatac cactcaagta ttaaaacaaa tccacaatca 180
aattcataac actcgagcta ttttatgtac acaatcaaaa tcaataatat gaagggaana 240
aaagacgata caacttacat tgtgaagcaa ccctggcact taaca 285

<210> 14756
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14756

ntctaacana aaatttcagt caggtggacc ttcttctagt ttatttgact tactgcaggc 60
tcatatccct ctccattct cacctagagc aattccaaac aaaaaaatgg aagaagcgca 120
aaaggagatc ttggagacct tcaggaaagt agaggtgaac atacctctgc tagatgccat 180
caagcagatt ccaagatatg ccaagtttct aaaggagttg tgcaccaca aaaggaagct 240
caaaggcaat gaaaggatta gcatgggcag aaatgtgtca acattgatag gtaaattctgt 300
tcctcacatt cctaagaaat gtaaggacc aggcaactct tgtatacctt gcattattgt 360
gaataagaaa tntgagaatg ccatgctaga tctaggagca tcagttaatg tcatgcctct 420
gtccattttc aattctttat ctcttggacc cttgcaatct atagatgtg 469

<210> 14757
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14757

atactgaact ataacctata aagataccaa gnncaacttt tcttgtctag cttgtctctc 60
 ttaatnngag gcacataagt aaaacacaaa catctaaata cttgaaattt tttcaagaag 120
 ggtttataac cataccaagc ctaaaaaaga gtctttccat ctattgcttt ggtggaaagt 180
 ctatttagca aaaatattgc agtggtttata gctttcaccc aatatgcctt aggtaactct 240
 ttctcatgaa acatacaactt gaccattttc atgattgttc aattctttct ttcactaacc 300
 ctattttgtt gatgggtgta aggagctgtt aattgctcaa tgccctgctc ttcacaaaagc 360
 atggggaatt gtgttgaagt gtactcctta ccattatcag accttanatc ttgaatcatg 420
 cagtcactnt gcttttcaat ctagtgctta aatctccaaa atacacttg 469

<210> 14758
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14758

ttcctcaggg ggagagataa cattagcaat gtattaatag cattcaagat agaaaatttt 60
 atgtactaca tataatgaaa tgacagacgt tatttctgaa ttcagctagc actacaattc 120
 atccgtacgt taactaatat cttaattaat atcacacagg caaggcacia taatctttta 180
 tatcttaatt aatatttatt tattctgaaa gattctttta gttggatata aaaaaatgat 240
 tnttttagta caatgaaaca aacaagcaca aattgataaa aaaaaacctc ccatatataa 300
 ttataataat attatattaa attagagcgt tntaggagct actatttata ttaacaataa 360
 cactcgaaat attttttttag agacnattcc gaagatttct taactttcta tatggatcca 420
 tctat 425

<210> 14759
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 14759

gagacgctcg aactggaata ccgaagctct gagcaaattc aaacgacaat aactttttac 60
 tctgatgtct gattcagccc cgtaatatat cgaaacgctc gatattgaaa gttgaagctg 120
 tgagcaactt caactacaat aactttttac tcgggtgtct gattcagacc aataatatat 180

cgaaacgctc aatattgaat ggtgaagctt tgagcaactt caaacaacaa taacttatta 240
ctcggatgtc tgattgagac ccgtactata tccagacgct cgacattgaa taccgaaact 300
cttaaaaaaa tcaaactaca ataacttttt actctgaagt cagatt 346

<210> 14760
<211> 276
<212> DNA
<213> Glycine max

<400> 14760

tgcagcttgt cacgaagttt ctgcatttct ccctataaga atgcaattta ataataagcg 60
ggaagccaag ccaaagtgg gaaattaata taaaagaaga aatataagca aaaagagtca 120
tggaagtcaa gaactcaacc actaaattca gatgaattgg cagagtaaag caaaaaata 180
ttacctgcaa gaatcgacgt ttttcaagcc actgtttgac aggcattcact ttatcattag 240
catctttcca ttcatttgca accacaacag ctactc 276

<210> 14761
<211> 226
<212> DNA
<213> Glycine max

<400> 14761

ttgtttggct gatttaaagc atttgaatta cttggacttg agcgggaata gatttcttgg 60
agaaggtatg tcaattcctt cttttcttgg gacaatgact tccttgactc acctcaacct 120
ctctcactact ggattccgtg ggaagattcc tcctcagatt gggaatctct caaatttggt 180
gtatcttgac ctgagttatg tttttgccaa cggaacagta ccctct 226

<210> 14762
<211> 265
<212> DNA
<213> Glycine max

<400> 14762

taatatttga agattatcct tgtggaacct tcacccaacg aagacactga caaaaactta 60
ttttctcctt tttggacaaa gaatggcagg ctggggggcaa gttaaattttc ttcccatcag 120
accttgatg caactgtgat cgtatgccca tataagctag atcttgacgg gtattcaagc 180

caccccttcgt cttgccttga atgttaagga gcagcccaat cacactgtca caaacatttt 240
tctccacatg cataacatca ataca 265

<210> 14763
<211> 289
<212> DNA
<213> Glycine max

<400> 14763
ttggatttcc ttttaatagg gaatctatcc ttcctaaaat ggagccaaac ccaatcaccc 60
ttattaaaaa ctagctcttt tcttctctta ttgcctttta gtgaatacac ctttgtttga 120
ttctctatct ggttcttaac cctctcatgc atcttcttta caaattctga cctagattcc 180
ccttctttat gtataaaaga agtgtccagt gggaggggaa tgaggtctaa cgggtgttagg 240
ggattgaacc catagacaac ctcaaaaggg gactgcttgg tggttctat 289

<210> 14764
<211> 262
<212> DNA
<213> Glycine max

<400> 14764
tttgcattga agcttaaccc ctatttcttt aacccaaaac tctaaaaact aaaccctaaa 60
ctctaaggct tagacaccaa accctaaatt tgaaaaccgg aaacccttaa cccaaccttt 120
taaagccctt aaccctaaaa tataaaaaat aaaccctaaa ccctaattgg ttagacacca 180
aaccccaaac ctcaaaaccc taaaccataa acccttaacc ctaaattcta atccctaaac 240
cctaaactca gaattcta at 262

<210> 14765
<211> 244
<212> DNA
<213> Glycine max

<400> 14765
acaacattcc tggcgacatc tcaaaagggg tcaccactat acattatctc aaagatttat 60
gcaaaacatg gcttttgtat ctatgaagga acctaagaat tttaatgaag ccctcatata 120
tgaaaattgg ataatatcta tgccggaaga actataccaa ttgaaagaa ataatgtgtg 180

ggagttagtt gagaaacctg aacgctaccc aatcattggg acaaaaaggg tgtttagaaa 240

taaa 244

<210> 14766

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14766

ataaatgaga taagagatga gagaatgcgg accttgctct atactgggtc ggcngaggcc 60

gtgcttactt ccaatactca agcaacccgc ttgagattat cttttctctt tggttaattcc 120

tttacaactt ctgaaccaca cagggacaac tcattcccttg tgttgatgaa ttcttacaac 180

ttaagagact ctcagtccct taatcaatct ctgtgaatga gaagaaagaa agaagaactc 240

tctcttgaag aaaaggatat tacaattgag agccatggag aaactcttaa tg 292

<210> 14767

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14767

gagtcacctc gcggcatgca agcttgtgtt gcanaagttg atggtattca tactaagatg 60

ggtttgcgct tagatgtcat tactaggtgg aattcaactt ttctgatgct taagagtggc 120

cttgatatac gatgtgcttt ttgtagtctt tcatttgatg ataggagcta ttcaagttgt 180

cctactaata tagaatggga gagaggacaa aanatgtgtg attttttgca tcctttcttt 240

caaatcacag agttgatata tgattcctct taccacaacat ctaatttgta tttcatgcaa 300

gtgtggaaaa ttgaatgttt gttgcttcaa aatttgagta atgaagatga gttgattaga 360

accataacta ttgatatgaa aacaaagttt gataaatatt ggagtgatta tagcaatgtg 420

ctttcctttg ggtgcattct 440

<210> 14768

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14768

cagaactact caacaagcta gaatcttata atatattata atatattaat gtttgaaaaa 60
tcaatgtaaa aattctacaa aaaatagaga ttaaaaagaa acaatttaga agaattanaa 120
ttattcttca catacataat ataagacttg gtaaccgca taagcactat ttccctccag 180
aactaatttt ctaaglcda acacottaaa cttytaagtt gaagtlnttt ggtcccalgt 240
gtggaaaagg ataaaatgta aaattaagtt atcagcttat attgccaaact taatatgtat 300
caataaaaaa ttaagttaac taacgttata tcttacaaaa ttctaattct caaaaataaaa 360
agtgagtata tgtatgtata ttaattagtn gcataaatac tactatgatt tacanaataa 420
taatcaatct agtaaggagc gtatatgtat gtatattaat ta 462

<210> 14769
<211> 211
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14769

atgacaatac ttacaaagnt gagctgcccg gtgagtataa tgtagttcc accttcaatg 60
tctctgattt atctcttttt gatgcagatg gagaatccaa tttgaggaca aatccttctc 120
aagagggaga gaatgatgag gacatgacca agagcaaggg caaggatcca cttgaaggaa 180
ttggagggcc tatgacaagg gctagagcaa g 211

<210> 14770
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14770

agctnggagc agtgaacac gngtggtt tttgcagttt acgcaaggct aagcgataag 60
atacttttcc cactaattcg atgatctgat aggggccata aaaacgcttt cctagttttg 120
aaacttatca gcgatcgaag tttggcggtta aagtcttagc ttcacataga cccagtcccc 180
aattttgaag ttgacttctt gacggtgagg atcagtagag ttcttcattc gtgcctgaga 240

tcgttcgagt ttttgacgaa gggcatcaaa catatcttgg cgagtggtaa ggaggaagtc 300
cacagcctcg actgatgatg aaccaggaag gtagtccggg atatcgggtg ggtgggtccc 360
gtacattacc tcgtat 376

<210> 14771
<211> 463
<212> DNA
<213> Glycine max

<400> 14771

tctctctttc acctagtttt tcatttttttc gcatacaccc aaatttgtcc cagtaaaaact 60
acgatcccaa actcgtaac cgttggatca tcgtcaaagt tgaacattag gttggaaatt 120
atattcacac atctccacca ttgggatttg aaaaataagg cctacggagg gagaattgct 180
catcgcacac agacagtgc acgaagggtta taatcccttc ttcttctctc taacacttga 240
aaactctagc aagaggaaac gtttggggaa tcttaggaaa ccactagaga tttctctcac 300
tatcaaacta cactcatgag cccacttaga ggtaagagat gagtttatcg caattagggg 360
tagaatgaac atttgtaggg atccgtagag gatcaaattt aggtttaatt tgggatgttt 420
attggattgt aattcttcta gaaaatgggtt gaggagtttt act 463

<210> 14772
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14772

tgatatactn tagctcnttg cttattaagc ttgtaatnnn cataatctng aaaccttaat 60
tcctccaatt gatgaagttg tagcttccta tgttcacctg ctgcatttag atcaaaattc 120
aaaatcttca atgctcaata ggctttgtgc cccaactcaa taggtaagtg acaagttttg 180
ccatagataa attggaaggg agtcagtcct ataggagtat tgtatgcaca cgtagcttta 240
tctaatnttt gagactagtc cttccttgac tgagcaacta ttttctccag aatcttcttg 300
acttccttat tagaaacttt agcttgccca atgggtctat gatggtaagg tgaggctacc 360
ttgtgtctaa cactatagtg ttggagaact ttcttgagtt ggatgttata gatatgagat 420
cctctatcac ttataaagta ccct 444

<210> 14773
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 14773

agcttcaacc tadaggagac gatctcttcc atgtgttggg gaagatcaac gacaatgccc 60
 acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
 ctcttttttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caaggaggga 180
 gtgatgagga cataaccaag ggcaaggacc atgaagcact tgaagggtccc atgaccagag 240
 gcagacttaa acaagcccaa cacatcatag agacaaggct ggtcatttgt atagctgtca 300
 ttgatgatga ttgaaggccc aagtggagaa agatgaagge ccagaggcag aggcactacc 360
 aagactacta attgttgctg aaggcccaaa ctaacttg 398

<210> 14774
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14774

tgcaagcttg cccaacaaat aaggaaatnn tcttaattct ctgatactta atttatcttg 60
 tttgccaaaca ataaaaactg tcaaagtacg aagatattgt agtctacaga tttgtgttgc 120
 catctctgga aaattagtgt aactgatgtc caggtggcgt aaattaacca gatttcctat 180
 cggtcgtggc aactgaataa gaaattcaca atttgataat atcaaagttt gcaaattgta 240
 aagcataaat gtttcatagg acaagctttc aatggaagtg taagaaagat ccagatacca 300
 caagtgcaac aaattgccaa tggaatcagg taactcaatg atatttntat atttagacaa 360
 cgacagtata cgcaaacatc tcagtttttg aaaccaacca tgataagtgc ataaattaaa 420
 atactggttt caagggtac 439

<210> 14775
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14775

agctacaacc gattatgtta ccgcgaatta tgtcgagang acccgtgcta ccatcgactc 60
 gctagccatg ggtaggagct cgctacaaga caatgataaa catgcatgta aacaccatac 120
 cgttaatagg aatagaagat taacatatga attgacgagg agtgccggct gaacactcat 180
 gcgggtgttg agccattcgc catagcaaca aataggcatc tgagtgtggt tcacctaat 240
 tacaaacttt tgttttctca ctatcgogac accatgaata ttaattcact cgccccgc 297

<210> 14776
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14776

ctggaactac ttcacatgga cttgatgggg cctatgcatg ttgaaagcct tggaggaaaag 60
 aggtatgcct atgttgtgtt ggatgatttc tccagattta cctgggtcaa ctttatcaga 120
 gagaaatcag acaccttga agtattcaaa gagttgagtc taagacttca aagagaaaaa 180
 gactgtgtca tcaagagaat taggagtgac catggcagag agtttgaaaa cagcaagttt 240
 actgaattct gcacatctga aggcatact catgagttct ctgcagccat tacaccacaa 300
 caaaatggca tagttgaaag gaaaaacagg actntgcaag aagctgctag ggtcatgctt 360
 catgccaaag aacttcctta taatctctgg gctgaagcca tgaacacagc atgctatatc 420
 cacaacagag tcacacttag aagaggggact ccaaccacac tgtatgaaat ct 472

<210> 14777
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 14777

gcaagcttgt atgttagacc tcgatcgggc atcttttctg gccgacgccg actgtcattt 60
 ttttcgatca atatcgggtga ataataatctt tttgccgagg tgggctaatt ttttcctggc 120
 cgaataaatg ggaacatgcc agtttcggcc gaaacgaaac atcgggttag ctgcacgaa 180
 aaaacctagc cgacctacat tgtaagtttt ttatgcaaca ccgaaaaaaaa caaaatttcc 240

cctgccgtaa gaaaaaacat tatcggccag cgagcgcggg acttgaaatt caagctccaa 300
aaactaacc aaggcaacaa ggggggttgag gagtatttca aggaaatgga tgtgctcatg 360
attcaagcaa atattgaaga agatgaggag gtaactatgg ctcgatttct taatgggttg 420
acttatgata tccatgafat tgttgagct 449

<210> 14778
<211> 225
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14778

agcctaccat cctcagtctg atggccntat tgaatggacc atgtagtcgc tggaggagcc 60
tttgagggcg tgtgtcttat agcaatagag gagttgggag agttttctat cgttgataga 120
ggtcacttat aacaatagtt ttcactctac cattggcatg gctccctatg aagctttgta 180
tggtagaagg tgtaggacac ctctatgttg gctaaagccc ggaga 225

<210> 14779
<211> 261
<212> DNA
<213> Glycine max
<400> 14779

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cagcggaaatg gaaatggaag aaagatgatt ggagacgcca ctttaaggag aagatgagtc 120
aagaagaagc tcaccacat aggaagccat gaataagagc ttgaaggtag gagaagatga 180
gtggagggag agggagagaa ggagcacgaa attttgtgcc tcaaatgaag tctgaacttt 240
gaagtgtaat tctcaaatga t 261

<210> 14780
<211> 288
<212> DNA
<213> Glycine max
<400> 14780

accctctaga ggcgaactgt ttgcatgcac cgcgtgtttt ctaacgtttt aaggcgcacc 60
ccatattccg tggatcatatg cccaacttga gcccatattt ttgaagttgt ttatggtttt 120

aaccactaa ctctcttga tcttttgct atgcctaag tttctgttt taagcataaa 180
gaaggtcaag caaaggcgga ctatgtgaag aagcttcatg agagagtcaa agatcaaatt 240
gagaggaaaa attaaagcta tgctttacaa gccacaag ggagaaag 288

<210> 14781
<211> 252
<212> DNA
<213> Glycine max

<400> 14781

ttctttcatg aatacttgtt acccaatctt ttccttact attgaagaag catgcaatgg 60
gtaaaaagaa gtccttttga gaattatcta agccatcata ccttaatttt aatatggcat 120
gaatttttgg atttgaata tttcggagtt ttggcaattc acttttccat gcctctttac 180
ttcttacttc ttgaacgaag atttgaacc agaactttta aagccaaagg aataccttcg 240
gaataagaaa tt 252

<210> 14782
<211> 252
<212> DNA
<213> Glycine max

<400> 14782

ttcttttagt ctctcagaag aagacggtgg gcagaaagag gatatttttg ctctccaaac 60
tccatgctcc caacaaatga atacaaattt gcgtttgggt cttcacatta gatgacggct 120
ctataatcat ggaatttgaa gtcctcctgt aaggaagaag ttacatccag cccttgtttt 180
atcttcaagt ttgtctcacc atccaagttc atggtctcaa catagcaaac tgcctcctca 240
taactggagg aa 252

<210> 14783
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14783

aggtctcana ttcgagtcct aactcttaag tatataatgc attaaataat taaaagaaaa 60

attntatcat tcataataat cctactcaac taaaaaaaat actcataatc ttaacaaaat 120
 gtaatgtagc aagtcatacc attgaaatta aagtccaaac aatataccat gtctccttga 180
 aattaaatag actgagccaa ttgcagtatt gtacattntc tattctatag attttntatc 240
 ttgttttctc aatgataaac aatgataaaa atatagactt ttcaccttta tcgttatcac 300
 acgtatattt ttgaagaact caagggactg ttgcgcttaa aattcaaac acaaatacaa 360
 ttctaataac acacaaattc atttttaac aatttaacaa atccccaagg aaataaatgt 420
 caaacatagc gacaaatc 438

<210> 14784
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14784

gcttcattct cgtggcgata gaatatntca ccatatgggt canagtgact tcttatacca 60
 atgtcacgag gagtgtggtg gtcagattca taaagaagga actgatttgt cgatacggac 120
 tccctatgaa gatcattact gacaatggca ccaatctgaa caacaaaatg atgcaagaaa 180
 tgtgcgggga tatcaagatc cagcatcata actccattca ctatcgacca aagatgaatg 240
 gngctgtgga ggatgcanat aanaatatta ataagattat tcagaagatg acggtgtgat 300
 a 301

<210> 14785
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14785

aattcaaaca gccataactt ttgacacgag tgtatgtatg aagcccatga tatatcgaga 60
 cgctaaaaaa tgaacaacga aagctcttga gaaattcaaa tggtcataac tcttcacttg 120
 gatgtccaat tcaggcgac aatatatcgg gactctcgaa atgaaaatgg aagctcttgg 180
 cacattcaaa cggccataac ttttaactta ggtgtatgtg tgaggcctan gatataattga 240
 gacgctgaan aatgaacaat ggaagctctc gagaaattca aatggtcata acttttcaca 300

<210> 14786
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14786

aagattccta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacac 60
 ccnctataat agctaagctc acccccatga caaaaaacat gaaaatacaa aaaaaagtgc 120
 ttactacaaa gactactcaa aatggcccgga aatacaaggc taaaacctta tactactaga 180
 atggccaaaa tacaaggcca aaacgaaggg aaaacctatt ctaatattta caaagataag 240
 agggctcata cttagcccat gggctcgaaa tctaccctaa ggctcatgag aaccctaggg 300
 ccttcccttg gatctctagc ccaatctact tggagtcttc tacctaagtc ccttgcgga 360
 taggattgca tcattccctc cagcttggag aggatttgac ctcaaagtc gaggttcttc 420
 atactctggg ctacttcct caacacctgt aaaaagaaca aaaacatatg ta 472

<210> 14787
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14787

tataaaactc aactgaagca actggtgctg tggttaacttg gaaccagct gttcttgaat 60
 cagaaatctg tacctgtcgc aagggtttgt ggtnngtgc cctctgctga ccaccataca 120
 gacctttgcc cttccatgca gcaacctgga gcaattgagc agcctaaagc ttatgcagca 180
 aatatataca atagacctcc tcaacctcag cagcaaaatc aaccacagca gagcaattat 240
 gacctttcca gcaacagata caacctgga tggaggaatc accctaacct cagatgggtcc 300
 agccctcagc aacaacaaca gcagcctgct ccttccttcc aaaatgctgc tggcccaagc 360
 agaccataca ttctncacc aatccaacaa tagcaacaac cccagaaac 409

<210> 14788
 <211> 430
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14788

tgtgatcgat tacacaccat actgtttcaa ttaccagagg agtatttcag actatattct 60
caattgtcac atcttntcag ttggttcttg aatggctatc acaggcctat atttatgtga 120
cttgagacac gaatgttcta agagtnttc agaacaaala ggtcttatcc ctttcaaac 180
cacaatcatt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataacgaa 240
ttatttgagt gctcacattg ttcaatctat ctctctagag agagatttct tcttctcttc 300
ttctttattc tgaanagga ttaagagacc gacggctctt tgttgtgaaa gaattctaaa 360
cacaaaggaa ggattgtcct tgtgtgttta gaaattgtan aaggaattta caagatagtg 420
gaactttcag 430

<210> 14789

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14789

acagagatgc cagtctacca ttcaactntt agacttcctt gatgttgga aggggtgtgca 60
tctctagtat agttatgcan ttgtcggggc tgacttctat tccctgatgc gtgatcacga 120
aacctatgac cttgccttcg tcaaccccaa aagtacattt tttgggttga ggcacatgtt 180
atatttgagg atttcttcga acacctcttc tangtctgcc acatgtangg ctatgccata 240
ggacttggca accatgtcgt caacatagac ctcgacattt cgtctaattt attgtttgaa 300
gatctgatcc atccgtcttt ggtat 325

<210> 14790

<211> 286

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14790

catccgagta aaaaagtgat tgtcgtttga atttgcctcat agcttcaaca ttcaattntg 60
agcgtcttga tatattacga tactcaatcg gacatccgag taaaaagtta ttgtcgcttg 120

aatttgttca gagcttcggc attcaagtcc gagcctctcg atatactacg ggactcaatc 180
agacctccga gtaaagggtt attgtcggtt gaatttgctc agagcttcga cattcaagtc 240
cgagcgtctc gatataattac gggactcaat cagacatccg agttaa 286

<210> 14791
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14791

tcagaccact atcagtgtgc tggaactact tcacatttac ttgatggcgc ccatgcaagt 60
tgaaagcctt ggaggaaaga ggtatgccta tgttgatgcy gatgatttct ccagatttac 120
ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg agttgagtct 180
aagacttcaa agagaanaag actgtgtcat ccacagaatc acgagtgacc atggcagaca 240
gtttgaaaac agcacgcaga atggcatagt tgaaaggaaa aacaggactt tgcaagaagc 300
tgctagggtc atgcttcacg ccaaagaact tccctataat ctctgggctg aagccatgaa 360
cacagcatgc tacatccaca acagagtcac acttataaga gggactccaa ccacactgta 420
tgaaatctgg agagggagga agccaactgt caagca 456

<210> 14792
<211> 413
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14792

taatntacaa ccagaatggt gaagctgtta ataaagatga aggtgatatg ttttttctct 60
atgggatatgg aggtacagga aaaacataca tttggaaaac acttgcaagt tcaactgagag 120
ctgacaataa aattgtaata atgatagcct ctageggcat agcttctctg ctattgcctg 180
gaggtagaac tgcacattca aaatttaaaa ttccagttcc agtttttgaa gactcaactt 240
gcaatatcca tcaaggaact caattagctg aactattaaa tcagacaagt ctaatcattt 300
gggatgaagc acccacgact cacaaattct ggtttgaggc acttgatcac agtcttagag 360
atatcatcaa acacaactca naggacagta aaatctttgg aggtaaagtc atg 413

<210> 14793
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 14793

tctgacattc eccacatatt ctgtcttctt ctatttttag astgggcatg cctctaacag 60
 cacctttgtg aatgatattc ttcatgcctc gtaagcgcag atggccaaat ctatgatgcc 120
 atattctgac tccatcttat ttggaggata gacatgtgga ggagtaacta gtttcttgag 180
 gtgtccatac gtaacaagtg ttctttgatc tgctgccctt cattagaact tcactcttat 240
 tattagtcac caagcattct gactgtgtga gagttacatt gaatccttca tcacacagct 300
 aactgatgct gatcaagttt gca 323

<210> 14794
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14794

acacctctct aatagctaag ttcacctcct tgagatgaga agctagagct tatctacaca 60
 cccnctataa tagctaagct cacccatatg acaaaaaaca agaaaataca aaaaaagtcc 120
 ctactacaaa gactactcaa aatgccccga aatacaaggc taaaacccta tactactaga 180
 atggccaaaa tacaaggccc aaacgaagga aaaacctatt ctaatattta caaagataag 240
 cgagctcata cttagcccat gggctcgaaa tctaccctaa ggctcatgag aaccctaggg 300
 ccttcccttg gatctctagc ccaatctact tggagtcttc tatccaatgc ccttgcgng 360
 taggattgca tcacctcat atatttttcc caaggccacc aagtgtgtag aatgatcacg 420
 ttgcacatac aatcccataa tcggtataac aatagcaaca tcttcttccc ctg 473

<210> 14795
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14795

agcccatgtg cttgattcaa tattgattca agacttcaag atcaagcatc aagaatccaa 60
 tccaagattc aagagaagaa atcaagaagc aacaagtcaa gacttcatat aggataaata 120
 ttaaaagaat ttttcaaaaa ccaaatagca cagntttggt ttacaaaaga attttctcaa 180
 attttctatg gtaccagagt gattactctc tggtaatcga ttaccaattg gcattaatcg 240
 attaccegtg accagtttgg ttttcaaaat gttttcaaat gatttataat tntccaaaat 300
 gattntcaaa tagtgtaatc gattactata ttagtaatcg attacaagtg aatctgaacg 360
 ttggaattca aatccaattg tgaagagtca caacttttca tataatacat tgtgtaatcg 420
 atta 424

<210> 14796
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14796

cgaatggtca taactnttca ctcgatgtc cgattcgcgg gcataactca tctagatgct 60
 cgaaattgaa catcggaagc tctcgagaaa ttogaatggt cataactttt cacacggatg 120
 tcccaattta ggacataata tatcgagaca ctcgaaattg cacaacggaa gcactcgaga 180
 aattcgaatg gtcataactt ttcacacgga tgntccgaat tgggacataa tatatcgaga 240
 cgctcgaaat tgcgctacgg aagcactcga gaaattcgaa tggtcataac ttttcacacg 300
 gatgtctgat tcgcgacat a 321

<210> 14797
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14797

tctcgatata ttatgaacct taatcggact tccgtgtgat aagttatgac catttgaatn 60
 tcttgagggc tttcgttgtg caatttcgag cgtctcggtta tattatgcgc ctgaatcgga 120
 cttccgtgtg acaagatatg acccattgag tttctcgaga gcttccgttg ttcaatttcg 180
 agcgtcatga tatattatgc aactgaatg gacttccgtg tgacaagtta tgaccatttg 240

aatttctcga gagcattcgt tgttcaattt cgagcgtctc gatataattat ggcctgaat 300
 cggacgtccg tgtgacaagt tatgaccatt tgaatttctc gagagcatcc ggtgttcaat 360
 tcagagcatc tcgatatatg atgcgccaga attggacttn cgtgtgacaa gttatta 417

<210> 14798

<211> 489

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14798

tactcagctg aagaaatatt tgatgatgcc aaggaatnta agaattattt ttatgatgcc 60
 aaggaatttc aaagatcatt ccagatgaat ttcaaggatg aagaaagcaa gatgtcaagc 120
 caagcaaaga tcttaagata agaattaaga tagactctta gaanagtttt tgaaaagcac 180
 aaatgattgg ccaagtgagt ttctatctta acaaaaactt ttccaagcat tntactctct 240
 ggtaatcgat taccagaggt tgtaatcgat taccagtggc cacaaagctt tctggaaatg 300
 ttatcaaagt tattttcaaa gttttcaaag ctataatcga ttaccaaacc tatgtaatcg 360
 attaccaatg ctttaaaacg ggtaaaaatg attntgtcat gtgtaatcga ttactagagc 420
 ttntgaacgt tggacatttg aattntgaac aaaaataatt gtgtaatcga ttacgccaat 480
 gctgtaatc 489

<210> 14799

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14799

gctgcatgtc caattccatt tgatgaagcc aatntgtgga aaggccaaag tggacctgat 60
 ctaaaacaga taattcaaca acaatttaga aacatcaggt attacttcaa actagtggaa 120
 gtggactgag ctctgtctag ctaaataatta tccattaata acttgcaggg ctttgttgtg 180
 gcttaatctc ttgtaagcat gcatcact gctaaaaaat gacaattgat taccaatgat 240
 tcgtagtaat gcttacaaaa ccatttttgt ggaaggaatc atagtatata taggttggat 300
 tctatctaaa atcccatcat tgatattttt agtcctacag tatggntttt cttttcattt 360

tgagatttcc acatactgat ggatgctaaa tnnnggttgg ttatctggac tctttgattg 420
 ctgatctaata ctgaacataa gacaactaaa tgaccactcc ttttacttgn tctccattta 480
 ttatttctatt actg 494

<210> 14000
 <211> 149
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14800

tctaatectg aggggttatgg tgcttncttg gngatttcaa tatcattaga agccaggatg 60
 aaagaacagg ctcatctcan aggagtgtgg gcacatataa tggtttttgg ttcaatgatt 120
 ggatatcaga catggaaatt caggaaatta aaagcttttg tagcagattt acttggtgta 180
 ggccaaatgg atatgtgagg agtangetcg atagatgctt ggtttcagaa cagtggctac 240
 ttaaattggcc tgattcttca caacaagtac tccacatgga ttattcttat cactgtccaa 300
 ttatttttgaa aacagatctg gtggattggg gccctaagcc atttaggggtg atggactgtt 360
 ggcttaaaaa taaagagtat caaagactgg ttaaagaagt gtgggtgtggg gaccaacaac 420
 ttggatgggg gagtattgtg cttaaaaaac 449

<210> 14801
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14801

tattcttnta atgaatttaa ccaatataa attgtttaac atattgtgta tgttattaac 60
 acttctatta agattatata ttttcttaata taatcatatg agaatcttta attagaaact 120
 actttgtgag atgcacatat tagagtgata caaatgttag tttcagagca gtaaagataa 180
 tacatatattt taaataagaa tgtagaacia aaactataaa aaattgtttt aacaacaata 240
 caatctaaaa ataaagaaat attttcttga ataaacatcc ataaaatctt agaattttta 300
 gacatgttct catttcaatg ataaaaaaag aagacctgtt ctcatantt tctaaccaaa 360
 tttttagacc atactggaat gcattataaa aaaagtaatg tgaataaata catgtc 416

<210> 14802
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14802

tcttcattca atctcgagct gtctgataca ttacgggact ctatcggaca ttctagataaa 60
 ttgttatgga gatagaattt gctcagggt tccgtattcc atttcgagcg tctcgatata 120
 ttacgggact caatcggaca tccgagtata aagttattgg tgtttgaatt tgctcagagc 180
 ttcagtattc catttcgagc atctcgatat attacgggac tcaatcaaac atccgagtaa 240
 aaagttattg tagtttcaat ttgctcaggg cttctgtatt ccatttcgag cgtctcgatg 300
 tattacggga ctcaatcaga catcccagag aaaagttatt gtcgtagaa attgctcaga 360
 gcttctacat tccatttcga gcttttcgat ata 393

<210> 14803
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14803

agacatcatg gaaagcatca agatagttgc aattgttcac atagatngtg aaggcctcan 60
 agaacacctt cattgaaagg taatatgtat tacactatat ttattgatga cttcaccaga 120
 atgtgttggga tttttttctt caagttcaaa tcagagggtg ctgaaatttt ttggaagttc 180
 aaagtcaagg tagagaatga aaacggtctc aagattcaaa ttttgaggtc tgacaatggc 240
 accgagtaca ca 252

<210> 14804
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14804

attgaagaat atgcttcctg actataacac gtttcccaag aattattacg aggcaagaag 60

atattatgtc ttgtgggtat ggaataccaa anaatacatg catgccctaa tgattgtatt 120
 ntgtatagaa atcagtttgt cgaaattcgc aactacccta catgtgggct ctcaagctac 180
 aagggtcaagt atgacgaatg cagtgatgat gctgccacta acaaccattg tccaaaaaaa 240
 gtgtgttgggt atcttccaat aataccaagg tttaagtgat tgtttgctaa tgcagatgac 300
 aaaaaaaaaac ctaacatggc atgcagatgg taagaaaaat gatggatncc tccgtcatcc 360
 tgctgattct cctcaatgga agacaattga tcagttgtat cttggatttg ataggatcct 420
 ata 423

<210> 14805
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14805

taagctctgt atactgcaca aggctcttaa tattagaaga gtattcttga ggaaccttca 60
 cccacgaaga cactgacaaa aacttatctt ctctttttcg gacaaagtat ggcaagctgg 120
 aggcaagtaa attttcttac cattagacct tggatgcaac tgtgatcata tgcccatatc 180
 aactagatct tgacgggtat tgaagccgtg cttogactgg ctttaaattg taaggagctg 240
 tccaatcaca ctgtcacaag acattttccc cacatgcata acatcaatac aatgtgtaac 300
 gtcnagatca g 311

<210> 14806
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14806

atctcttct tcaactacac aagaatctcc gggttgttgt ttctctgtgg ctgnttactg 60
 gtttagctcc atcctctaaa ttatttcgat gcatacatgt ggatgggcta gtaccaggaa 120
 tgtccgccag ggtccaacct atagccttct tatgcttctt gagaacagac aacaacttct 180
 cctcttgctc atcactaagg gaggcagata taatcattgg aaaacatttg ctatcatcca 240
 aataagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtgtg ggctgggtag 300

<210> 14807
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14807

tgtagggttaa agtctcacga atgtcacgtg ctcattgcaac ttttgtagt cgtggctata 60
 cgagacatct gccaaacaaa gtcagggttaa cgataactca cctatgctnt ttcttcatt 120
 ctatatgtag caaagtcatt gatccagtca tatntgatga gttggaaaat gaggccgcaa 180
 ttatactgtg ccagttggag atgtatttcc ccttgcttt ctttgacatc atgattcact 240
 tgattgttca tctggtcaga gaagcagaag aagccattga attttgttca gaatacttag 300
 agaaggctaa acctgttggg cttcctgagt ctcggcatga tgacagagtg ggtgggaagg 360
 ggtcaagagg actgcangtg atcacttcaa gtgtagaaga tttgttataa gctcac 416

<210> 14808
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14808

aataactcaag cctaaatggt ggaatgaaaa anaagtntgt atccagacaa gagttatcat 60
 tttcatacct aattttgctg ggggaattgta acctcatttg ctttcttata aaagggactt 120
 atgttaaatt cttaatgaag tntggtcaca gtaactcttg ttttagcgtc atgccaacag 180
 ttgaaataga caggaaaaga gtaatgagga aacaactgac attggaagta ttttaaagga 240
 aagcaatgaa gaagtcacac tagttatctt acatcaggaa tgaaactgtt atgaaaacat 300
 aagaaatacc tcaaatatag gagagaaact cacanaatac taacctctct tatctgtggt 360
 tcanaacca tatcaagcat tctatctgcc tcatctagaa caacaaaaga aattctggag 420
 agggaagtgt tgccttggtg taaatgatca atgaatcttc caggggtggc aactgctatt 480
 tcaac 485

<210> 14809

<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14809

acttagcatc aaattitcct aagttatctt ttcattattc aatacaaaac atttaccacc 60
aaagatatga agatgtgaga tgtttgggtt tctgccattg aacaattcat atggagcttt 120
atttaaaatg ggtcttatta aagccctatt taaaatgtag catgcagtgt taacggcttc 180
agcccaaaaa tatttttgaa gaggagtatc atttaataaa gttctagcaa tctcttccaa 240
agatctattt ttcctttcaa caaccaccat ttgntaaggg gttcttggtg cagaaaagtt 300
atgctcaatc ccatacttat cacaaaatag ttcaaattct ttattttcaa actca 355

<210> 14810
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14810

tttctttaca attgcatcac ctctcaatga gctgggtgaag aagaatgtgc attttcctag 60
ggtaaaaaac aagagccaag ccttgctttg ctcaaagaaa agcttactaa ggcacttggt 120
ctagctcttc ctgacttttc taaaactttt gagctaaaat gtgatgcctc tggagtggga 180
gttggagctg tattgttaca aggtgggcac cctattgctt attttantga aaaacttcat 240
agtgccacat gggctataca cacccttacc catggatgtg tggcttggtt acaagccaag 300
tctagggtga tgcctcatgg gctatacaca cccttaccca tcccatcttc acct 354

<210> 14811
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14811

tgctctattc aatggagttg acaagaatat cttcagactg atcaattctt gcacagngcc 60
aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt gaagatgtcc 120
agattgcaac tgttggccac aaaattcgaa aatctgaaga tgaaggagga agaatgcatt 180

catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt gggagagaag 240
atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag agttgacatg 300
aaagtcaactg ctatagagga ggcccatgac acttgcaaca tgagagtaga tgaactcatt 360
gtgtcccttc acacctttga gctatgactc tcggata 397

<210> 14812
<211> 400
<212> DNA
<213> Glycine max

<400> 14812

ggaggtaaac tagatgcctt gggttaacttg ttaacccaac tggccgtgaa ttaaaaaattg 60
cacctatcgc cagactctat ggtctatgct cctctgccga ccaccatata gacctttgcc 120
cttctgtgca acaatctgaa gcaattgaac agcctgaagc ttatgctgta aacatctaca 180
acagacctcc tcaacctcag cagcaaaatc aaccacagca gaacaattat gacctctcca 240
acaacaggta caatcccga tggaggaatc atcccaacct tagatggctg aatccttcac 300
aacagcggca gcaacaacaa cagcccatat ttcaaaatgt tgctggccca agcagaccat 360
acgttccttc accaatcccg cagcaacaac aacaacaaca 400

<210> 14813
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14813

actcagctga gcagatggat gtcaaacaac ccttttgcac gggaagctgg atgagaccat 60
ttatatgaag caacctacta gntttgtcaa aaagggtgat gaacataagg tatgtttgct 120
caatccatcc ttatatgac ttaaacaatc tcctanaatg tggatataggc gttttgatga 180
ttatatgatt aaaattggat tttctaggag tgtttatgac tattgtgtgt actagaaatg 240
tcacaagaat gagaaactaa tttacttggt ggtgtatggt ggtgatatat atgctactga 300
ccagctaaag catgactgan attgctagag ttaagaaatt gttgaatcta gagtttgaga 360
tgaaagatct tggacat 377

<210> 14814
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14814

tgctnagcat tgtgtaaca aacagggcaa cctcattatt ttgtgcaact ctgggtcage 60
 aaaagtgtct tctttttctt gtgggtttgc tccattgtct ctgttctggg aaacagaaac 120
 aaaaagaaaa taacaaataa atgagaccgg cacagattgt gttggttctg gtttggttgc 180
 tctgcattca cactcccaag ttgttctgcg ccaatgtaga gtatgatcac agagcattgg 240
 tcacgcacgg caagcgcagg gtcttgatct ctggctccat tcattaccct cgtagtactc 300
 cagaggntct tctctctctt tctctcttcg nggtgttctgc gtttcttttc tttgaactt 359

<210> 14815
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14815

gactccaact gggcgacaat agtattaaat tcattaatac gatgagccac agagatacct 60
 tctcccatct tgaggttgaa caaccgacgc atcaaatata ctctgggggc tatcgatgac 120
 ttctcgtaca tatttgataa cgccttcatt aagcctgcac tcttctcgta tacaatgttg 180
 aacgcgacat tcttggctaa tgtcaatctg atcacgcaa gagtctatcg atctagcgag 240
 ttccattctt cttgcttcat gtcgtctggc ttaatgcctg atgagggtna atacaacttc 300
 ttttgatata gataa 315

<210> 14816
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14816

tggtcataac ctntcacatg gaggtttcta ttangcgcat aatatatcga gacgctcgaa 60
 attgaacaat ggaagctctt gagcaattca aatggtcata accttactct cggagggctg 120

attcatgcac ataatatatc gagacgctcg aaattgaaca atggaagctc ttgagttatt 180
 caaatggtca taactttttca ctcgagggtc cgattcatgc gcataagata tgaagattct 240
 caaaattgaa caacggaagc tctcgagaaa ttcaaattggt cataactttt cacacggagg 300
 tgagattcac gcacataata tatcgagatg ctcgaaatng aacaacgga gctcttgagc 360
 aatt 354

<210> 14817
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14817

tcacctggtt caagcacgac tttctttctg cttttgatgg cttgccttgc atagctcgca 60
 tttttctttt caatgtgaac cttcacttgc tcatgcaact tcttcacata ctgagctnta 120
 gcctgtgcat ccttatgctt aaacatagca atgttaggca taggcaacaa atcaagagga 180
 gtcaaaggat taaatccata cactatctca catggtgaac aattagttgt gctatggaca 240
 gcccgattat aagcaaaactc aacatgaggc aaaca 275

<210> 14818
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14818

agactaagtt tagcctagca tctcagact gatggccaat ctgaacggac cattcattca 60
 ttggaggacg ctttgagggc gtgtgtttta tagcaaaaag gaagttggga gagttgtctt 120
 ccattgatag agttcactta taataaaagt tttcattcta cgattggcat ggctccctat 180
 gaagctntgt atggtagaag gtgtaggaca cccctatgtt ggtagagcc tggaaaagac 240
 ctcaccttat gaccggaagt ggtacaacaa accaccgaga aagtcaagtt aatccacgaa 300
 aggatgaaga ctgctcagag taggcagana cgttttcatg ataagtgaag gaaagatctg 360
 gaattcgatg ttggtgatca tgtattc 387

<210> 14819
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14819

tcgaacttga atgtatggda gacatccacy taatccyaga ttggaaatct cygaagctgc 50
 acagaaagtt ctgagatact taataggaac gaaagatcac atgcttacat ataggagggtc 120
 tgatcacctt gaggtaatng ggtattcaga ctcaaactct gttggatgtg tggatacgag 180
 agaatccact cttggctatg tatttctcta agccagagga gcagtatctt ataagagtgc 240
 aaagcaatta gttgtagctg catctaccat ggaagctgag tttgtaaatg gtttgatgct 300
 acactctaaa ctaattgggtg cagaacttaa ttca 334

<210> 14820
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14820

agctgnaatg atacactatg gncacgttac tccttgtaat tcatatacaa gtctgaacag 60
 tcacaactct tcagaaacta actatgtaat caattacaat agttatgtaa tcgattacca 120
 gtcaggaatt ttcaaaaata actctcaaga gtcaaaactg ttcaagaaag ttttgaatgg 180
 ccatcaaaaag cttataaata ggtgactcgg gacacgaaat tccttagagt ttgtctgaac 240
 aacattatct tttcctctca aaacanaatt gtcttataac tctcaaaaata ttccttggcc 300
 aaaacaattg caaattcaat aaggaatctc gatcgatctt caaatttaat attcttctct 360
 taaagagcga agtcttctta ttattattct tattcaaag 399

<210> 14821
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14821

ctatgatgag acctatgtcc ctgttgctag gttggaagct attagatntt tcttgctttt 60

gcttgtataa tgaatTTTTg gttatatcaa acggatgtga aaagtggata cattgaagaa 120
gagatatatg tgggagaaac ctccaggTTT tgtagactTT aatcatccta atcatgtaca 180
caagttggaa aagacactat atcgattaaa acaagaacct agatcttggt acgaaagatt 240
gagcaatttt tt 252

<210> 14822
<211> 382
<212> DNA
<213> Glycine max

<400> 14822

tcttagtttc agatgatgca gatgggTTTg agctacctca tcactcctct aatgactatg 60
gcatcatttc tggcgctaaa ctgctgggag ttggaggcca tcttctcaat taaatttctg 120
gcttcagcaa gagtcatgtc tccaagggcT ccaccactgg cagcatctat catacttctc 180
tccatattac tgagtccttc ataaaaatat tggagaagaa gctgttctga aatctgatgg 240
tgggggcaac tggcacatag tttcttaaAT ctctcccagt actcatacag gctctctcca 300
ctgagttgtc taatactga gatatccttc ctgatggctg tggtcctgga agcacggaaa 360
aaattttcta agaatactct ct 382

<210> 14823
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14823

ctatgatgag acctatgtcc ctgttgctat ggtggaagct attagatttt tcttgctttt 60
gcttgtataa tgaatTTTTg gttatatcac acggatgtga aaagtggata cattgaagaa 120
gagatatatg tgggagaaac ctccangctt tgtagactct aatcatccta atcatgttca 180
caagttggaa aagacactat atcgattaaa acaagaacct agatcttggt tcgaaagatt 240
gagcaatttt ttagttgggc aatcttttTg atgagatcaa gttgacaaaa ca 292

<210> 14824
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14824

actggatgat ctntattgct tcctttcttct tttcctttat aatcttcgcc atgaatgagc 60
atttgttcta aagattctat aatatacctt aaatatcctt ttcttggata aataacatta 120
gaacacacaa aggaacacag aatlgattcc caatttggca ttgttctctt attataattc 180
ctataagctc tactatgcaa agaataacca aggaacattc cttcatciga cttagcatca 240
aattctccta agttttcttt tccattgttt aatacaaac acttgcaacc aaagacatga 300
agatgtgaga tgtttggttt cctaccattg aacagggtcat atggagtttt ctttaagatg 360
ggtcttatta aagccctatt catgatataa catgcagtat t 401

<210> 14825
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14825

agcttcctta agaagattcc taaagaagct atagcttagc tacttatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataataaaaa aaaagtcctt attacaaaga 180
caactcanaa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240
caaggcctag acgaaggaaa aacctattct aatatttaca aagataagcg ggctcact 300
tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc tttccttgga 360
tctctagccc aatctacttg gagtcttcta 390

<210> 14826
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14826

agcttccata acaanaata tctcctagta ttactaaat ttgatctgct tgaggagaag 60
attgaacaca ttctctagc acaatgtgaa tgggttagcg acttccaacc atttatcagt 120

cccaatcaga agagaggctg tagcaatggc aataataact cttcattagc acaatgtgct 180
 tttcaataca ttgctgtcaa gtttaagaga ttgttccttt ccatcactgg ccgaattctc 240
 tttgtttcac tggttaatgg attggaacct gatactattg atgaagctct cagatatgga 300
 agggaggtta tggagtggga aaaatgggat ccctctattg taactgatcc aaagtccgag 360
 aatacttcaa caagcattga tgaagcaagt tacttat 337

<210> 14827
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 14827

agtcttgac gtatcagtca agtgtatgga ctatatcgta gccaaagtgc tcatcgataa 60
 tggttccagt ttaaactgta tgcctaagag cactttggag aaattaccat tcaatgcctc 120
 ccacttaaag ccgagttcaa tgggtggttcg tgccttcgac ggtacccgcc gagaggtag 180
 gggagagatc gatctcccag tacagatagg ccctcacacc tgtctagtta ctttccaaat 240
 aatggatatt aaccctccct acagctgtct gttggggcgc ccgtggatcc actcagtagg 300
 agttgttccc tcaacactcc accaaaagtt gaaattcgta gtggaagggc atctggtcat 360
 cgtatc 366

<210> 14828
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 14828

tgcggcatgc aagcttcatg gtatggcctg tatectatag ttatggagtt ctttaaggcca 60
 acgttgcata ttctatattt gtaagtcttt gcaggcttca tggatgaagag tggttcgtct 120
 tttccatcac ctttagctgt tttgccattg ataaggacac cttcatgcct accaagagag 180
 cgcccgctat ccaataactt cctcagaatg gtgtgactct ttgtgtacca gtcaccaatg 240
 agaacggtgt attcatcctc aggatctggg taaggcacac gaataatcat gcgactgttt 300
 acacgaaggc caccaaaacc accagctgcc ctatgcatgg ctgtgctcgg gtagaataaa 360
 gaactgccta tttggtcctc acctgatacg aacgtgaagt tgtcctggcg aatgggcagt 420

atttctgcac ccctcttgca tgaattcttt tgtgtggatg ccttc

465

<210> 14829

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14829

tttgtaaaa cataagcact tataacaatga atgaaagctg gagttgctgc acatgatgtc 60

caacgttatg tcaaggaatc agattgggct gcacaatgca caaggcaaag ataaaatgtc 120

aatgaagat ttgaagctgc aggatccacg atgtcggaca cgatgtcctg acatccggcc 180

cgaaaatact ggacacataa atctgttata tctttaacag attaattgtc agtttagcaac 240

agaattggcg atctatcttt aggaacgaat tanaagataa ttaaagtttg aattac 296

<210> 14830

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14830

ttggcaatgt actcaacgaa gtacttgtgt gcctctaaaa taaaaggatt aaaaatatat 60

cagttacata ggcagttgga tctgtaagag cttgataagc tttggcaatg tactcaacga 120

agtacttgtg tgcctctaaa ataaaaggaa taaaaatata tcagtttagca gttacatatg 180

cgattgtagg aatccaacat tcctgcaaac atcaaagttg gcattgcaac aataaaaaaa 240

aataaacaac tgaaacacct tcaacctgga tctgggtttt tatctggatg gtattgaata 300

gaaagtcgcc tatacttttt ctttatttca gactctgccg ctccaggctc taatcctaga 360

atattaaacg gatcanaaat ttcaatctgc atcaaaatta aaagaaaaat ttcagaacgt 420

gcaccagtgg aagtctcagc caattagtaa aatgttaaac acaaata 467

<210> 14831

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14831

cttcacaaat cgtctataaa aacttgctta gccatgaaaa ctctcacct cggtcacaga 60
cttaggtgta ggccattctt gaatagccct aaccttcttc tcatcaactt gcactccttt 120
tgaactcaca acaaaaccaa gaaacacaac atggtttagta caaaagatgc atttttcaag 180
aatggcalac aattgttctt ttctaagcac agtcaagaca gaatttaaatt gatcaatatg 240
caaatcaagt gaagtgttat agataagaat alcatcaag tacaccacaa caaactttcc 300
tatgaactct ctcaagatat gggtcattaa tctcat 336

<210> 14832
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14832

catgcaagct tctgttatga atntcgagtg tctcgatata ctacgggact ttatcggaca 60
tccgagtaaa aagttattga catttgaatt tgcctatagc attcgttgtc aattacgagc 120
gtctagatat attaaaggat tcattcggac atccgagtaa aaagttatta tctttttatt 180
tcgctcagag cttctgtttt caatttcgag catctcgata tattacagga ctcaatcgga 240
tatccgagtc aaaagttatt gtcgtttgga tttgctacga gcttccggtt tcaattacga 300
gcgtctcaat atgctacggg acacaatcgg acatccgagt aaaaagttat tgcgtgtgta 360
atttactcag agcttccgtc gtcaattacg agcgtctcga tatattacag ggattacttg 420
gacatccgag taataaagtca ttgt 444

<210> 14833
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14833

nngcttatat gattggctaa tattttgtta atacataagc actnagacaa tgaaggaaa 60
ctggagttgc tgcacatgat gtccaacgtt atgtcaagga atcagatcgg gctgcacaat 120
gcacaaggca agataaaatg tcaaatgaag aattgaagct gcaggatcca cgatgtcgga 180
tacaatgtcc aggacatcct gcccgaaaat gcacaaggca tgataaaaga attgaagctg 240

caggatccac gatgtctgat actatgtcca tgacatcttg ccgaaaata ctggacacat 300
 aaatctgtta tatctttaac agaata 326

<210> 14834
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14834

agcttaaadc cttaactgca caggctctat tatttgaaga gtatccttgt ggaaccttca 60
 cccaacgaag aactgacaa aaacatatct tctccttctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcaaacc ttggatgcaa ctgtgatcgt ataccatata 180
 caactagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240
 tcccaatcaa actgtcacia aacttttctt ccacatgcat aacatcaata caatgtctaa 300
 cttcaagatc acaccagtac ggaagatcaa agagnatgga cctcttcttc catatgcaac 360
 tatgactatt atccatcttt taggtcttcc cacatacaat attcaggtgt tgaacccgct 420
 gatatacctg ctca 434

<210> 14835
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14835

aagatgtgct gaattctcta gagactgtct tcttagaaat aaaaaggcaa tcgatctcta 60
 tatgtttggc acgctcatga aaaattgngt agatgtaata tgaggagctg cgtgattaac 120
 acaaattagt ctcagttcca acctcacaca tttagctctt cagcgattag tctaattgnt 180
 ttatacatta ttgacaagt tgtgagagtc atagcttgaa tttctgcttc agctttggac 240
 cttgcaacca cattntgatt catttttttt cctttccatg aaatgagaat cctcaanat 300
 agaacacaat atccaaaggt ggatctcct 329

<210> 14836
 <211> 300

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14836

ttcgcgagcgtc tcgatatatatt acggggactct atcgggacttt cgagtggaaa gttattgtcgc 60
ctagaacttct ttcgcgagcgt cgggtttttaa acttcgagcgt ctgcataat taccgggactc 120
caccggacat ccgagtataa cgttatctgc gttcgaatc gcaacgagcc tcgttttcaa 180
ttntgagcat ctgcataatg tattggactc aatcagactt ccgaatgaaa agttgttgtc 240
gttcgtatct gctacgagct tcggttttcaa tttcgcgagcgt ttgacgggac tcaatcggac 300

<210> 14837
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14837

caatagacct ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaa 60
ttttattgag gcaatagatc taaatatctg ggaagccata gaaatagggc cttatatacc 120
caccacagta gaaagagttt caatagatgg tagttcatca agtgaaagca tcactataga 180
aaaacctata gatagatggc ctgaagagga tagaaaacga gtacaatata acttataagc 240
caaaaacata ataacatctg cctgtgaat ggatgaatat ctgagggtt cacattgtaa 300
gagtgttaag gaaatatggg acactcttag attaacacat gaaggaacta cggatgttat 360
aagatctatg atacatgcac taactcatga gta 393

<210> 14838
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14838

agcttgaatn gngtaccatt atcggtgaca atggcataag caagaccgta tctgcatatg 60
aactntctca cagtggcctt gttcaatcc acttggtgaa atagtcaatg gagaccaaaa 120
agaacgtaac ttgtcttctg cttttggtga cggccctagt atgtccatcc cctacatggc 180

anaaggccaa ggggaactaa agttatggaa gttgtcgggt ggtgttcatg gaacttctgg 240
catcgtaa at accttcttgt taagttaagg ggcctacct taagtgtcgg ccaatagtag 300
ccatcatgca ctancttttt ttccaggag cgccccctcg tgtggaggcc aaagaatcct 360
tcatgttaact ctcccatgac ataattctac 389

<210> 14839
<211> 310
<212> DNA
<213> Glycine max

<400> 14839

atcctcttag tcacctgccg catgcaagct tggcactcgg atgctgcgat ggatagtggg 60
agtgatgctc ttgcgaacat tagatcgaaa gtatatctgt ctccaagct ttggtatttg 120
agggttaatg tgataaaggc acaggaccat atgccaactg ataagggtag ataccctgag 180
gtatttgtga aggctattct ggggaatcag gcttcgacga ctagaatctc tcaagtatga 240
gtattaatcc aatgtggaat gaggatttga tgtttgtggt ggcagaacag tttaggagcc 300
gctgattttg 310

<210> 14840
<211> 319
<212> DNA
<213> Glycine max

<400> 14840

agagaaggag aatggattaa agcctccatt ccactatcta cgcgcgatga gtatttctcc 60
ctccaaagac attaatattgc aaatctcaac ggtgaaaaca tgtgaaagtg gcattcaa at 120
cctgtgtccc aatttcatga agatccaacg gttacacagaa cctggattgt agttttacta 180
agatagtttt gggtttctgc ggggaagagaa aaagttacaa tgcgaagggt atttctctca 240
gcttcgacat tgtttcgcaa ttttcaacgg tgagaattct tggaaataag tttcaaacct 300
ggggctgaaa tatcatgac 319

<210> 14841
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14841

aattttgtgc ctcacatgaa gtctgaactt tgaagtgtaa ttctcaaagtg atcaaagttg 60
ataaaatcca cacacatagc ctctatttat agcataagtg tcacacaaaa ttagaggggaa 120
atttgaattt ctattcagat ttcacttgaa tttgtggagt caaaatttca ctaaltatga 180
ttagtgaatt ntegcaatgg ttcagtcacg taatccaaga tcaagtgcag gattttctcc 240
ctaagtgtgc ttaggtgtca tgaggcacgt aaaacatgaa agacatgcac aaagtgtggc 300
tatatgatgt ggcaatggag tgtagcaaga aaatgttcac attcccctct a 351

<210> 14842
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14842

agctntacta tacagagaat atccaaggaa ttaccttca tctgacttag catcaaattt 60
tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120
tgagatgttt ggttntctgc cattgaacaa tccatatgga gttttcttca aaatgggtct 180
tattaaagcc ctatataaaa ttagcatgc aatgttaacg gtttcagccc aaaagtattt 240
tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttcct 300
ttcaacaaca ccattttgtt gaggggttct tgggtgcagaa aaattatgct caatcccatg 360
cttatcacia aataattcan attctttatt ntcaaactca ccncatgat cactcctaata 420
agatataatc ttgagatttt ctta 444

<210> 14843
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14843

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aagtataatg ttacttcctt cactaaagcg gtgatccatc tccacacata ttttatcaat 120
agcaacataa aaaatctttg cacggtaatg atgaagatta gtgatagtcc tcccttctgc 180

tcttgaacga tcccgaaccg gtatttcgtc attcatattt ggtaccggaa tacttttagc 240
 tacacaaaat ccttggacat cggcaaaaaa attattccag ccactctctc tcattgtgcc 300
 caaccgagct ttgacaacat caactaattc catggcattc acaatattaa gatcttttct 360
 ttgcaatata attgagagct cgtgtgtgat acccaaccac ttttacatta acctcanaat 420
 ataagcacat ttagagctct ccaatntttc tatic 454

<210> 14844
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14844

tcacaaatct ggacctgtcg caagtgtttg tggtttgtgc tcctctgctg accaccatac 60
 agacctttgc cttccatgc agcaacctgg agcaattgag cagcctgaag cttatgctgc 120
 aaatattttac aatagacctc ctcaacctca gcagcanaat caaccacagt agagcaatta 180
 tgacctttcc agcaacagat acaaccttgg atggaggaat caccctaacc tcagatggtc 240
 cagccctcag caacaacaac agcagcctgc tgcttcttc caaaatgctg ctggcccaag 300
 cagaccatac attcctccac caatccaaca acagcaacaa cccagaaaac 350

<210> 14845
 <211> 297
 <212> DNA
 <213> Glycine max
 <400> 14845

atgcaacaat tgtagccgt ggctatacga gacatcttgc caaacaagt caggttcacg 60
 ataactcgcc tgtgcttttt cttccatgct atatgtagca aagagactga tccagtaatg 120
 ttagatgagt gggaaaatga ggccacaatt atactgtgcc agttggagat gtattttccc 180
 cctgctttct ttgacatcat gattcatttg attgtgcac tggtcagaaa aatcaaagt 240
 tgaggtcctg tttatctacc gtggatgtac ccggttgagc gatacatgaa gatctta 297

<210> 14846
 <211> 308
 <212> DNA

<213> Glycine max

<400> 14846

taccaacatc agacaccatg gattatatatt tgtgagaacg aaaaaagggg tggagggaga 60
ctgacacata gagaccgatg ctttgagccg gaaatgaagt ctgaagcttgg acctgtaatt 120
cccaaatgac ccattgtgat tgattacccg cacatagcct tcttttataa caaagcgcc 180
acacaaaaac acagggcgag gagaatatct attcaaacct cacatgattc tglgggtgga 240
acatttcgct ttttatgaat aaagaattat aaccatgggt caatccacta aaacaagacc 300
aagtgccca 308

<210> 14847

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14847

cttaagggtg agaaatgagt ttttgtagg gagaaaacag gacacaaaat ttatgcctca 60
aatgaggtct gaactttgaa gtgtaatttc aaaaatgatt aaagttgaaa aaaatgcata 120
ccaaggcct ctatttatag cctaagtgtc acacaaaatt gaagggaat ttgaaatttt 180
ggctccacaa attcaaattc aaattcaaaa tnncagtga atttgaataa aaattcaaatt 240
ttcactaatt atgattagtg aatttttagct atggttcagc ccactaatcc aagatcaagt 300
ccaagattct ccacttgtgc tt 322

<210> 14848

<211> 261

<212> DNA

<213> Glycine max

<400> 14848

tgctacaggt tctaggaac attacactgc gatgggctat aaaatccgca tacattgtga 60
gcagcattct gaaagatgct tctgtgcctg atgctgagaa agatgtttca acatattcca 120
cccaagtga taccgtgcct gatgctgaga aagatgttcc aacatcctgc gctccgaatg 180
ctgaagccct cccttcaccc agtgaagagg aatcttcaga agaaggat caagccttat 240
aggagactcc tgctccacgg g 261

<210> 14849
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <100> 14849

tatgaccata tgaattggnc cttatctttc attgttcaat ttcgagcgtc tcgatatatt 60
 atgcgcctga atcggacctc cgagtga aaa gttatgacca tataaattgc tcaagagggt 120
 ctattgttca atttcgagcg tctcgatata ttatgcgcct taatcggacc tccgagttaa 180
 aagttatgac cattggaatt gctcaagaac ttccattatt aaatttcgag cgtctcgata 240
 tattatgcgc ctaaactcga cctccgagtt aaaagttatg accatatgaa ttgctcaaga 300
 gctttcattg ttcaatttcg agcgtctcga t 331

<210> 14850
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 14850

tgcttctaca ctaagaagca ctctttattg agtgaatcac caaagagaga acaaccacca 60
 aaattgagga ccgttttgta attttgtaat ttacaattta cttaccttca tttctttcaa 120
 gttttgtaac aaaaaggcct ttcattggaa gtgtgttggg agcctccaat aagttaccaa 180
 acttccattt gtgtgtaata attttaggca atttttcctt aggatagtga gtgttttgtt 240
 gggaaccttg aatgtggtca tccaaacact cttaggattt gcctagttaa catttcttgc 300
 ttactttcat agcttatttc ctttaccttc cctttta 337

<210> 14851
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 14851

tgaatatgat tatatgatgg atgattatgt tgagaatgag aggtgaccag gaagatagct 60
 aagggaattg aagtggcaca catgcttagg ccttgggaaa gagatagttc attgtttcac 120

caatatctgt tgggtttttt cttcatactt gtctttacat tttcttccat ttttaccata 180
gtaatagaag cagtgtgatg tagctccatt ggagcctgta ggccttggat cttcttcac 240
aatggagtcc tttgtctctt gaagtttcat ggcagcggaa aggagaagga gaaatatgat 300
tggagacgcc actttcagga gaaaaacagt c 331

<210> 14852
<211> 325
<212> DNA
<213> Glycine max

<400> 14852

ttacttcaat attttccaaa tcatttataa tcttgttgaa atcagccaat tgttcagtgg 60
cagttcttga ctctgtcatc ttgaagatgt acagttgttg cttcaagcat agccgatttg 120
caaggaactt tgtcatatac aatgactcca gtttcaacca cattgagggtt gttgtccttt 180
ctcttgcaac ttctcttaaa gctttatctc caaggcatag aatgattgca cttctggctt 240
tagcaatcat ctctaatttc ttctttgagc ttaaagattc tgacatcctt tcttcccctt 300
caagagcttc tacacagcca tgggtg 325

<210> 14853
<211> 338
<212> DNA
<213> Glycine max

<400> 14853

tccattgttc aatttcgagt gtctttttat attatgogcc tgaatcggac ctccgaatga 60
aaagttatga ccatttgaat ttctcgagag ctaccttctg tcaatttcgt gcgtctcgat 120
atattatgcg cctgaatcgg acctccgagt gaaaagttat gaccatttga atttctcgag 180
agcttccgat gttcaatttc gagcgtcttg atatattatg cgactgaatc tgacctccgg 240
gtgaaaagtt atgaccattt taatttctca agagcttccg ttgttcaatt ttgagcgtct 300
ctatctgtga tgcgcctaaa tcagacatcc gagttaaa 338

<210> 14854
<211> 336
<212> DNA
<213> Glycine max

<400> 14854

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aaaaaagtcc ttattacaaa gācāāactcaā aatgcccctaa aatacaaggc taaaacccta 180
tactactaca atgggcacaa tacaagggctt agatgāayga aaaaactatc ctaataattc 240
caaagataag cgggctcata cttagccctc gggtctgaaa tctaccccaa ggctcatgag 300
aacctaggg cctttccttg gatctctagc ccaatc 336

<210> 14855

<211> 340

<212> DNA

<213> Glycine max

<400> 14855

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taggaccaag gacataaaag atataacttg ttatgatgat gtatatatac gtgagataca 120
tggttacttg ggttgcttaa tgtgcaatac atacaaaact ttcacacata tttctaattt 180
aaataaatcc aataaatttt ccaaactaat tatttgtaga tccgttttag ttattttaaa 240
ttagtataaa aatatataat gttgcaacga gttgcaaaca caaatattaa gactatagac 300
caaatagaa gctaacaaaa tcaaatacta atttatttat 340

<210> 14856

<211> 324

<212> DNA

<213> Glycine max

<400> 14856

tcaacattca atttcgaggg tttctatata ttacgggatt caatcagaca tccgagtaaa 60
aagttattgg cgtttgaatt tgctcagagc ttcggcattc aagtcggagc ctctcgatat 120
actacgggac tcaatcagac caccgagtaa aaagttattg tcgtttgaat ttgctcagag 180
cttcggcatt caagtccaat cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgaa tttgctcaga gcttccaaaa tctatttcga gcgtttcgat 300
atattacggg actgaatcag acat 324

<210> 14857
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14857

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 ttcctgaaaa atgtaaagat ccaggtacat tcagcatacc ttgtattata gggaacaata 120
 agttttacaa tgccatgcta gatttaggag cttctgttag tgttatgcct ctgcctattt 180
 ttaactctct atctctaggt cctttgcaat caactgatgt ggtaattcat ttagctaata 240
 gaagtgttgc ctatcctgct ggtttcatag aggatgtctt agttagagtt ggtgagctca 300
 ttttccctgt tgattnttat attttaaata tggaggaggg attttctaaa ggatcagttc 360
 ttatcattct aggcagacct tttatganaa ctgctagaac taagatagat gtatatgtac 420
 gcacactatc tantggagtt ggtgatataa ctattcattn taatattctt gatgctataa 480
 acacca 486

<210> 14858
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14858

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 aatcgacgtt aacatataaa tgtaaacatc aatttttgaa aaaactgatg ttatccaagt 120
 gatattaaca tcgggttttcg aaaaaccaat gttaacattg tctcgtaac attgggtttt 180
 caaaatcaga tgtaaatatc ttcatgttta ttacaattat gccccaccct tttctaakat 240
 ctatttaatc aaaaaccaat gttaaataatc tttttttcta gaagtatgtt ttgatgaata 300
 gatatctgcc tcaattaata taggatccca ataaataaga ccatgataac actgagaagg 360
 tatcatactt ttatttgaat taattatcta cgaaggagat gaatcaagaa gatattgttg 420
 atttcatgtt gcgcatggat attcaagact aaaggccaat tctagctcta tcataatata 480
 tatctc 486

<210> 14859
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14859

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tactcagcta tcgaatatat ataagagaac tatgactatc gaagaatcta ttcttggttc 60
ttggatgagt ctaatgctat tgctgcaaga gaggatattc tatatgatat cgcagaatct 120
ttataacaaa tgcataattta tggaaaagat tataaaggan aagggaagg aagcaatgaa 180
gatcctccaa aagaagccaa atcaaataat gaacttccaa cagaatggaa agcttcgaga 240
gatcatccnc ttgagaacat tattggtgat atctcacaag gggtaacaac tagacattct 300
cttaaagata tatgcaataa tatggctttt gtgtctatga ttgaacctaa naatctaaat 360
gaagccataa tagatgatca ttggatagtt gctatgcaaa anaaactaaa tcagtttgag 420
agaaacaatg tgtgggaact agtagagaaa octgaagact accccatcat atgaacacaa 480
tgg 483
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<210> 14860
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 14860

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aagtgaagat tctctacagc tactatgctc agaataactc tgatggtagt catctttaca 120
actggagaga agatctctgt gaaatcaatt cctttgttct gctgaaaccc tttcaccaca 180
agtctcgctt tgtatcttct tctaccttta gattcttctt ttagcctata gaccaccta 240
ttctgtaacg ctttctttcc ttctggcaat ttagttaag accacgtctt attcttctga 300
agggatgcca tctcatcttt catcgctagc tccactcaa tagtgtcatt ccctgtgta 360
gcctcattga aacattctgg ctaccagca tcagttaaca acaataatg caatgaaggg 420
gaatacctat ctg 433
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<210> 14861
 <211> 298

<212> DNA
<213> Glycine max

<400> 14861

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atctgtgtga aaagttatga ccacttcaat gtctcgagag ctcccgctga tcaatttcca 120
gcgtctcgat gtattatgac cccgaatggg acatccgctg gaaaacgtat gaccattcca 180
atttctcgag agccttcggt gatcaatttc gagacgctg acgaattatg tgcccgcatc 240
gaacgttcga gtgaggactt acgaccaaga gaatttctcg agagcttccg ctgttcga 298

<210> 14862
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14862

tgtnatcgat tacacacata ctgtaatcga ttaccagatg agtttttcaa anaacattct 60
caacagtcac atctttntat ctgattctta agtggccatc aaaggcttat atatatgtga 120
ctagagacac gaatttaaca agagttttta agaacaaaaa ggtcttatcc tcttaaaaag 180
caaaatcatt ttaccctctt acaaattcct tggccaaaac tcttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagagttct tcttttcttc 300
ttcttcattc tgaaaagggg ttaagagacc gagggctctt tgttgtgaaa gaattctaaa 360
cacaaaggaa gggttgtcct tgtgtgttta gaactt 396

<210> 14863
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14863

agtgtccata ttatctctta gtttatgtca tgaanatatt ataaaactac aaagcacatt 60
taaataataa cagcttccaa agttaccaga tatcatcata tctatgatat gatgatccaa 120
taacaagcaa aactgaaagg tagtttcaat tgggtataag ttgcataaaa aaatttaaaa 180
acactaagac tactcaatac ttgactggag caaggatatc aagttgggaa ccgagcttgt 240

cttcagcaac cttctcggct ttcaccctta atttggtgag ctgcttcttt ctctcataaa 300
ccaattgtgt cttttccttt ctcttctttt ctagctccta tgagcaataa aacaattact 360
cacatcagca aacacatcta 380

<210> 1-864
<211> 360
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14864

tctaaactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcaaata 60
tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120
ttcactttct tttcaagtta taaattccct taacaatgaa cttcttaaat attaattcaa 180
ataaaaacaa tttgaatatg aatataaaga aataataaac aaaggagttt aagggaagag 240
aaagtgcaaa ctcagattta tactggttcg gccacaccct tgtgcctacg tccagtcctt 300
aagcaacccg cttgagagtt ccactatctt gttaaattccc tttaacaagt ctaaacacat 360

<210> 14865
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14865

aagcttataa aanaactata ataagtcaca agttacttgg atcatgaatt gtttgtgtta 60
aataaattca tatttaatta aatttatcta gttattatta aatatattct atgtagcatt 120
tcttttacat gccataagta tcctttgagt atttaagaga aatgcatact caagatgcta 180
ctattaatta agataaaaaa aaatagaaag aataatttag aatttaagat aaatatcaca 240
agtgtcccat gagtattatc ctatattcaa gatactataa ttattaatgt ttccattatc 300
aataatattg acatcacata tatatatata tatatatata tatatgaggt gctgtattat 360
tatcactatc attaatatat atcactatta ttgctactat caatagtact actatatcat 420
tgatcacgct cacatcacc c 441

<210> 14866
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14866

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 ggcaactacat gtatgtagaa tatggactct tctgcttcat taaaagcctt ctcaattgca 120
 acttcagaaa aatcaatgga aagacaatta gggtcatttc caagaactat agaacatatg 180
 ttatcgtagg agaagcgatt gaagacatct tgaagatcca caactcttcc ctgttgctgt 240
 acatgatcca atattggaag gagaccatta tgcaccttga cgtgaatggt tttcactaaa 300
 aacacctcga agcttttctg cttaaagaga gaatggaaga gaatccctgt gtacttccat 360
 gcttcataat cagcggagaa aataccgtct ccgaacgcct gaaaaatgtg acgaaactcg 420
 ggtcccttga cgtagttgag gaaattcttg ctcagcatgt 460

<210> 14867
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14867

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 aaagcataca agtccctaata gttatcaaata cctaaaattt gagctccttg ggagcaaaac 120
 aatgtgtgtc tcttagagag agcatcaact accacatttg tttttccctt tttgtatttg 180
 ataacatant ggaaatgctc tangtactct acccattttg catgcctttt gtttaactcg 240
 ctttgccctc taatgaactt aagtgattga tgatcactat gaatgacaaa ttccttgga 300
 acaaggtaat gttcccaagt tcggagtgtc cttattaatg cataaagctc tttatcat 358

<210> 14868
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14868

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gcatgtagca aaaagatatc tcacaaaata tatatatgta tgtttaggta gcaagatacc 120
ttggatatgc atttatgtaa caaaaaaata cttcacaaaa tatatatgta tgcttaggta 180
gaaagatacc tttagatatgc atgtgtgtat canaaaaata cttcacaaaa catatatatg 240
tatgttttagg tacaaagata ccttggatgt gcatgtatat agcgaagata tctcacaaaa 300
tatatatatg tatgttttagg tagcaagata ccttggatat gcatgtatat agcaaaaaata 360
cctcacaaaa catatatatg tatgtttatg tagcaagaat acgtggatat gcatgtatat 420
agcanatata cctcacaaaa atatacacat ggtacg 456

<210> 14869
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14869

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ccttaagatg tggaggcatt acttgtttgg ctccaagttt gagttattta gtgaccataa 120
gataccttaag tacttgttta gtcagaaaga gctgaacatg cgttaaagga gatggttaga 180
gtttcttana gattatgatt ntaagcttag ctaccatccc ggcaaagcca atgtagtggc 240
tgatgccttg agttggaaat ccctacatat atctgccttg atggttagag agatggatc 299

<210> 14870
<211> 405
<212> DNA
<213> Glycine max
<400> 14870

agcttagcta cacatacctt tataatagct tagcacacct ccttgagatg agaagctaga 60
acttatctac acaccccta taatagctaa gctcaccccc atgacaaaaa acatgaaaat 120
aaccaataaa agtccttatt acaaagacaa ctcaacatgc cccgaaatac aagggtctaa 180
ccctatacta ctagaatggc caaaatacaa ggcttagacg aaggaataac ctattctaata 240
atttaciaag ataagcgggc tcatacttag cccatgggct cgaaatctac cctaaggctc 300
atgagaaccc tatggccttt ccttggatct ctagcccaat ctacttggag tctttagacc 360

aatgcccttg cggggtagga ttgcatcatt acttttcact cagat

405

<210> 14871

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14871

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agtaaaaagt tattgtcgtt cgaatttget cagagcttca acattcaatt tcgagcgtct 120

cgatatatga cgggactcaa tcagacatcc gagtaaaacg atattatcgt ctttaattggc 180

tcagagcttc tacattcaat tttgagcgtc tcgatatgtt acgggactca atcacgcac 240

cgagtaanaa gatactgtcg gttgaattgg ctgagagctn caacattcaa tgtcgagcgt 300

ctcgatatgt taccggactc aatcagacat ccgagtgaag aggtattgtc gtgtgagttg 360

gctcatagct tcaacattca atttcgagcg tctcgatata tgacgggact caat 414

<210> 14872

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14872

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ggccataacg tttcacacgg atgttcgatt cgggcgcata atatgtcgag aggctcaaaa 120

ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacac ggatgttcga 180

ttaacgcgca tcacatatag agacactcga tattgaacaa cggaagatct tacgaaatta 240

aatgggtcat aacttttcac actgatgtcc gattcaggct tataatatat cgatacgtc 300

gaaattaaac atcggagcgt ctcgagaaat tcaaattggtc 'ataacttttc acacggatgt 360

ccgattcgag cgcataatat gtcgagaggc tcgaaattga acaacggaag ctctngagaa 420

attcanatgg tcataacttt tcaca 445

<210> 14873

<211> 409

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14873

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tcttgaaaggc agatgacaa gcaatttggc ttgatttggc taaaagggc gacgttctta 120
agggtgagc aaatgc tta tcttatatgc atcatgattg ctacatcca atcgttcac 180
gtgatatac aagcaagaat gttcttttgg attccgatta tgtagctcat gtctcagact 240
tcggaacagc caagtttctt aatccagatt catccaattg gacctcctt gcaggaacct 300
ctggatatgc tgcctcaggn taatttctt tctctatact atttgagtaa atcatgatat 360
tntagtttgt cttcggtagc catttacana tatatataca tcacaatta 409

<210> 14874
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14874

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gacattatgg ctacatacc ggttcataga agtcactatg aatacttgtg ttacttcaaa 120
ttttcttcta aatctgagtt tgtgatattg ctattatatg ccgatgatat aaattacatg 180
gaagggtatc catatgatat atgctgangg ccactgatgt atgctatggg atgtactcgc 240
cctgacatag ctcatgcact gagcttagta agtaggtcta tgggaaaatc aggcaaatga 300
cattggcaag cccctgaatg gatactcaga tatatcagag gatcacttgg aagagctatt 360
gtctatgctt tagct 375

<210> 14875
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14875

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aatgatcacc tcttaaggta aaaaagaatc acttgataag caagaactac gtaggtctga 120
 tttcctcatc gcaattgtgg atacgttaga gcaaaagccc tgcttttgtc gaccacccca 180
 agagatcggt aatgggtccaa tgccttaatg tttctctcct ctcanaaaaa caagagatcg 240
 ttaatgggtcc aagctcatgc ttttataaaa aggttcatca cgtcaagttg aaatatgaaa 300
 gthaccgtct tgcaaaattg ggcataaaga tgaatcgagt cacatcactg ttctgctaac 360
 tggcaaaca 369

<210> 14876
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14876

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 ttttagatga ggagaggtag gagcctccat aaagcgacac acaactccca ccgcatatag 120
 aatatcgggc cttgtattgg ttagatacct taaactcccc acaagactct tgaagatcgt 180
 gaagtctacc ttctctcctt catcaaactt tgataacttc aagccacctt ccataggtgt 240
 gttcacggga ttgcaatcaa gcatattaaa ttacttcaac acttcttttg tgtacctttc 300
 ttgtgagaca aagataccat tctccgtttg cttcacttcc attcccaagt aatatgacat 360
 gagtcccata tctgtcatat cagattcacg agacatggac tccttgaagt cttcanacaa 420
 atttgggtta ttggccggaa agataatgca tccacataaa gac 463

<210> 14877
 <211> 291
 <212> DNA
 <213> Glycine max
 <400> 14877

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 tgggaagaaaa tactttatc aagcacaac ttcaagcctt attccatgta ttgtggggaa 120
 gctatgactg gccatatggg ttgaggtgtt atagaggagc acgcatggcg gaagggacct 180
 tggactgctg aataggacag gtggcttgta gagtatgtca ggttgcattg agaacgcaga 240
 cggaaactctg tcgctatgct cgcaatatat aaacacgcac actttttcac t 291

<210> 14878
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14878

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 gaccatntga agtgtattgc gatgcgagcg ggcaacgctt ggggtgtgtg ttaatgtang 120
 agggaagagt agtggcttat gcttcacgcc aattgcatcc tcatgaagtt aactatccga 180
 cccatgactt ggaactagca gcggtggtct ttgcttttaa gatttggaga ggcactatta 240
 atttgggtact cgttttgaag ttttcagcga tcacaagagc ctcaaatact tgttcgacca 300
 gaaggaactc aatatgagcg aacaaagatg gatgaagttc ctcaaggatt atgattntgg 360
 tcttttctac ca 372

<210> 14879
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 14879

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 aaaactgcag ctgttggccg ctctgctgga tttgttttaa agcagcacct caagaaatct 120
 ttacctcag atgaaagtgt ttcatgtata ggaggggtct ctttcataac cttaaacaga 180
 gctgcagcct gcataattag agaagatgtt tatttagcaa gataaaaaaa aaggaccggt 240
 atacagatag catctctgcc taatccacaa gttgcaaaca gaaaaaagtt ggctaacaga 300
 tgccttagct gggtgtaaat tgatgggtgc caaaataagt taaaagctga cacattatcc 360
 tacattacca aacgttagaa tctcatattc tcatagaagc agatataaac catgtctaatt 420
 aagaat 426

<210> 14880
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14880

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cccttcaact ctgggcatat tccttgaagg aatcatgccc tttttttgca ccgtgtctat 120
aagtgcattc tatccgaagc catatccaaa ttgtactgat actgcttaat gaaggcaacc 180
attlengtccc tccaagaatg aactcgggag ggtccaagtt agcgtaccag gtaacagcga 240
cccattaaga ctttcttggga agaaatgtat tagtagttcc tcactctttg cgtatacccc 300
catcttccga caatacnatc ttagaatggg cttggagcaa gtagtcccct tgtacttgtc 360
anagtccgac acccttgaac 380

<210> 14881
<211> 425
<212> DNA
<213> Glycine max
<400> 14881

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tgttcatgaa ctttgagagt accaacaagt tcttcaaggg acataaaatc aagattcttt 120
agagccctta atggtggtac ccatggtctc tatttttttag acaaacttct caagattttt 180
tccatatgat catagttatc ataagttctg cttagagata ttaattcatt aagaatgggt 240
tgaaagcatc caaacatact ctgtatgtct tcgccttctt ctatagagaa gagttcatat 300
ttacgagtta ggagacctag tttggtcac tttacatgtg acgttcattc acgtgttata 360
gctaaagtgt ctcacatctg gtttgcactc ttgaagctaa gtactttggg gtatctttct 420
ctcat 425

<210> 14882
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14882

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aaagaaaaaa accatgttta acatagatca tgggtgaattg gcttatatat gttttcttac 120

aaaaacgaat tcgtactcca aaacatTTTT cttaaaactt gggttacaag ggtcaactaa 180
 tttttctcac caaatagaca tattatatta nagtagtata ttctgttatg attccatata 240
 taataaatat ggacatgaga atttaaacad ttaaactcct cgccatcaca tgctcaatga 300
 acataattat tgatcaatta tatgttacac cgtattggta aaaaaatgaa actgtttcac 360
 acgttcataa acaaatgaac tcaaatcaca cataatatga cyttggcaat gaggcacata 420
 ctggccttnt ctggtattat taaataaaaat taatattago ttacaaaaaa 470

<210> 14883
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14883

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 tcaacaaata cttggaatta gaactggccc taccaacatt acagatagcc taataacagc 120
 caggaaggca gtgaaggcta tctcccttca tagacaccga agcaacgtgg ttcgaactgt 180
 gtgctttgac ctctcgtctg atttaggcca ctctgattca aagattaccg acatcctctc 240
 agctctatgc tgagggtgaaa ggtatggaat ttcatcaatc ttcaacgggtg acttgtaccc 300
 tatactcagc aacgggttta tccaaatcca aaaggccttg gatattgcag aagctgnagc 360
 aaagccacga acgttggatt tgcatatagn tttgttcctc a 401

<210> 14884
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 14884

taatagctaa gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata 60
 atagctaagc tcacccccat gacaaaaaac atgaaaataa taataaaaaa gtccttatta 120
 caaagacaac tcaaatgcc ccgaaataca aggctaaaac cctatactac tagaatggcc 180
 aaaatacaag gcctagacga aggaaaaacc tattctaata ttacaaaaga taagcgggct 240
 catacttagc ccatgggctc gaaatctacc ctaaggctca tgagaaccct agggcctttc 300
 cttggatctc tagcccaatc tacttggagt cttctagcca atgccctcgc ggggtaggat 360

ggcatcattc cctccacctt ggaaagggat tgacctcaaa tcccagaggtt cttcatactc 420
 tgggctcctt 430

<210> 14885
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 14885

gctagagctt acctagttct atttctctaa tagcaaagct cacctccttg agatgagaag 60
 ctagagctta gctacgcacc cccgataata gctaagctca ctcccatgac aaaaaacatg 120
 aaaataataa aaaaaaagtc cttattacaa agacaactca aaatgcctcg aaatacaagg 180
 gtaatactct atactactat aatggccaaa atacaaggcc tagacgaagg aaaaacctat 240
 tctaataattt acaaagataa gcgggctcat acttagccca tgggctcgaa atctacccta 300
 aggctcatga gaaccctagg gcctttcctt ggatctctag cccaatctac ttggagtctt 360
 ctageccaatg cccttgcggy gtacgattgc atcattccct ccaccttgga aaggatttga 420
 cctcaaattcc cgacgctctt cataactct 448

<210> 14886
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14886

aagattccta aagaagctag agcttagcta catatacctc tctaatagct aagctcacct 60
 ccttgagatg agaagctaga gcttagctac acaccccccta taatagctaa gctcaccccc 120
 atgacaaaaa acatgaaaat aataaaaaaaaa aagtccttat taaaaagaca actcanaatg 180
 ccccgaata caaggctaaa accctatact actagaatgg ccaaaatata aggcctagac 240
 gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta gcccatgggc 300
 tcgaaatcta ccctaaggct catgagaacc ctagggcctt tccttgatc tctagcccaa 360
 tctacttgga gtcttctagc caatgccctt gcgngtagg attgcatcat tccctccacc 420
 ttggaaagga ttgacctca aatccccgagg gtcttcatac tctgggc 467

<210> 14887
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14887

cactaagctn tctctgtac acctacatcc ctatcacga aaactttttc cgtatcacaa 60
 cgcattaaaa aactctntct ctttatatca acatgggtcta tataaaacct ttattccttt 120
 tcaaagattt cttcttcctt tttcagcata cgctcgttgt ttatacaaaa attttcttta 180
 tatacactca ttgctcacac acaagaattt cttttcacac attatttata cacaaaatct 240
 tttcatacac tttttatata caaaaactct tttcttttct ttatatacat atatgacatt 300
 ttgttcacaa cgctcttttc tttttctatt cttgggggta tcatgatgtt tggtcgttnt 360
 attttaggat gacgttcta aatgaaaact ctacacgggt ccagaatttc aacaaacatt 420
 attgacaata acgaagtaac actaatgaac agtccaaaca aa 462

<210> 14888
 <211> 457
 <212> DNA
 <213> Glycine max
 <400> 14888

tgcgtcaacc atgaaccatg tcataccagg cttgtcaatt tatatttgaa taaaatatcc 60
 ttttaaatac ccattacaca acaaacaggt ggattcaaaa atcaaaggca ttgaattgaa 120
 tgaccacac aaagccacaa gagaaaaaga aatgacattt tggcacaacc caattgaaaa 180
 tcttaccaac cccagaaaga ccaatccgga aaagggatgt caaagtgttc ctttgtggtg 240
 caataccgaa atagaggcaa aggcattgct tgggtgttcag tcttattaac agaaggttta 300
 tccatgcaat caaacatcat atccacatct ggcaccatcc cagggtacct ctcataagc 360
 tgcaacaacc cccacagtgt aaacattgcc ctactctgca cacaagcata gtaccaatcc 420
 acaaacacct tcccttcaac aatcaccact ctgaacg 457

<210> 14889
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14889

agcttcanaa ttcaatntcg agcgtctcaa tagaatacgg tactcaatca gacattcgag 60
caaaacatta tttgtcgttg aattagctca gagcttcaga attcaatttc gatcgtctcg 120
atatattacg ggtctcaatc agacatctga gtaaaaaagt ttttattcgt ctgaattgct 180
gagagcttca acattcaatt tcgagcgtct cgatgttcta tgggacttaa tcagacatcc 240
gagtaaaaag ttattggccg ttgaatttgc tgagagcttc aacattcaat ntcgagcatc 300
tcgatatatt accggactca atcagacatc cgagtaaaaa gttatc 346

<210> 14890
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14890

agctctgata aanaccgagc agttctaata agatttgttt atgaatacc ttacgtctctg 60
cagatatata aggtgacatt ttaggaattc catttctagt accgcggcca aatgaactc 120
ctgcttccat catctctttc aagattatgt tccaatatct ttttgtcatt tatatttatc 180
cccacacttt tctttcattt caaaatcgaa attctataaa ttttttgaaa tgaaagaaag 240
agaccgggta tactgaaata gaaataagtg ttcaaaagaa ctttctcttc taccgaagaa 300
tggcctttga taaatgatcg ggccatcttt tctatttaat atataatatg agtattctct 360
ttaattatct tctgttatta tacaaaataa aatgaccgaa gatgaatccg ctcttaagaa 420
atcattatctt agggaaatatt aaataactaga ttgctgcgat gtatcgcata aatt 474

<210> 14891
<211> 252
<212> DNA
<213> Glycine max

<400> 14891

gaccttaag cactgagctg cactgcagct ggcacacaac aattatctgc ttacatgttg 60
acaagcatta ccttgcttct tgagcaccaa agatggtggt gtcaaaattt gaaaacatac 120
ccagtagtgc ttttctatc atccttatca ccacaccaat ctgaatcact ataaccaata 180

acttctcctt ctatattctt ctgactgtaa ggatataaaa tgccaagatc caatgttcct 240
ttcacatacc tt 252

<210> 14892
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14892

agctnggaag gtagtcatac ctcacaaagt atatatatgt atgattgggt agtgaatata 60
cctaagatat gcatgtatgt aaacaaaaat acttcacaaa atatatatat atatgtatgt 120
ttagatatgc atgcatgtag gaaaaaact tcacaaaata tatatatgta tgtttaggta 180
gcaagatacc tcggatatgc atgtatatag caaaaatatt tcacanaaca tataatatgta 240
tgtttaggta gcaagataca ttggacacgc atgtatatag caaaataact cacaaaaata 300
tacgtatgtt taggtagcaa attacctcat gaaaaaaaag agcaaaaaga gagtgagcaa 360
gaaaggaa 368

<210> 14893
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14893

agcttcaaaa aatggcctca tcaacttctt attccctgaa tgaaattcaa taaatacgcc 60
tcctatattt aatggagagg gttaccacta ctggaaaacc cgaatgcaaa ttttactga 120
ggcaatagac ttaaacattt gggaagccat agaagttgga ctttatatac ccaccatggt 180
ggctggaaat acaataatag agaaacctat agaagagtgg tctgaagatg atagaagatt 240
agtgcagtac aatttaaagg ctaanaacat cattacttat gccctangaa tggatgaata 300
ttttacggtt tcaaattgta agagtgctaa ggatatgtgg gactgatgtg tcattatttt 360
ctcctattat cttaaccctt ttgtcaccaa ttttaattact gattaactc 409

<210> 14894
<211> 408

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14894

agctttcttat ccaagggtca tctcggtggt gaagctcctt ctcccatggc ttattccata 60
gtggatggcg cctcccttca cctctctctc ttgtctctc actgcctctc catggtggaa 120
aatcaccatt aaaggacctc attgaagctc anagatccag cctccataga agccccacaa 180
gcaagcttcc atcatattcc tccaccggg attgtatcta ttgctggaga ggtcataatt 240
gttctggtgg tggaatttgc tgctgagttt gaggaggtct attgtagatg tttgcagcat 300
aagcttcagg ctgttcaatt gttccatata gttgcacaga agggcaaagg tctgtatggt 360
ggtcggcaga ggagcataaa ccacagaatc ttgcgatatg tacatatt 408

<210> 14895
<211> 371
<212> DNA
<213> Glycine max

<400> 14895

tgatgcagct gaggtttctat ctctctcatg cactcctcta atgaatataa catcatttct 60
ggcgctaaac tgctgggagt tggaagccat cttctcaatt aaatgtctag cttcaataag 120
agtcattgtc tccagggtc caccactggc agcatctatc atacttctct ccatattact 180
gagtccttca tcaaaatatt ggagaagaag ctgctctgaa atctgatggt gagggcaact 240
agcacatagt tttttaaatc tctcccagta ttcatacagg ctctctccac tgagttttct 300
aatacctaag ctatccttcc tgatggctgt ggtcttggaa gcaaggaaaa tgctttctaa 360
gaatactctc t 371

<210> 14896
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14896

agccttcaag aattaagatc attattcatt ctagaatcat gagaagactt actctagatc 60
agtattaaca agcttttttc aaaaactgag tagcacatga atctttctca aaacctctta 120

ccaaagaagt tttactctct ggtaatcgat taccacatta ttgtaatcga ctaccagtac 180
 caaaataatt ttcacatatc tttcaactga atttacaatg ttccaattga tttcaacatg 240
 ttctaactctg atacaatggt ttggtaatcg attaccagtg tgtttgaacg tcgaaattca 300
 aattcaaatg tgaagagtca catcctcttc caaaagagct gtgtgtaatc gattacacta 360
 atnltgtaal cgaltaccag tgatagtttc tgaacatatt aagagatgta actcttcaaa 420
 tacgttttaa c 431

<210> 14897
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14897

aaagcccagt caccttcctc agaaaccaca tcttaatttc aagtccaatt tagagaaaat 60
 tgtagctcct ccaatttcac cgcacaactc tacaatcacc agaattggaa aattgctagg 120
 aagggttaata ttggttaaag tactatagtc aaaacagaat ctccaccctc gtccctcttc 180
 accaaaacaa taggaatgac aaagggactt acacgtggtc taatgatgcc tgtcatcaac 240
 atctcattga ctacttttca atctctgcct tttggtaatg gggatattta catggcctta 300
 tatttggaat ttgagcatct gctttcagca ctattgcatg atattgtctc ctatgtgaag 360
 gcagactntg agggccctan aagatgtctt gatatttata taaatcacc tatatgaatg 420
 tngcaacttc aatctctat 439

<210> 14898
 <211> 491
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14898

agcttgagca gaacttanaa actntgaata ggaagctcat tctgtggttc acacatatca 60
 tctctnaaa ctaataccaa cacaccacca ctccacttcc acttncaatt cgtaccccat 120
 tgcccagagg ctcttcacta tgtgaaggta tggngaaggg atattgtacg cagccttact 180
 cttgcatatg caaagaggct gtttccggat tcgaacccat gaccaacaag tcaccaaggc 240

acaactttac cgctgcacca gggctcgccc tcaccaatac accaccactg aacaaaaaan 300
 aatgcaacat aatccaccac tttactttca tcaattgtga gagaatgtgt cgccaatctt 360
 ccaaaaccac ttaaagtana gcatcagatg atcaactact atcatnttca tcaattataa 420
 aagaanttta tcatacagag tgtgaagggc aaccaatatac acagagtgtg atgggtgtcal 480
 atatgatatg t 491

<210> 14899
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 14899

tctgaattgg tccagagctt ccttgtaag tttcgagcgt ctcgatatat tatgtgtctg 60
 aatccgacat ccgagtgaag agttatgaca attttaattt ctcgagaact tccattattc 120
 aatttcgagc gtctctatat atcatggggc tcaatcatac actcatgtca aaagtatatg 180
 ccgtttgaat tgaccagagc tttcttggtt aattcgagcg tctcgaatat tatgtgcctg 240
 aatctgacat tcgaggaaaa gttatgacca tttgaattct ctagattcca tt 292

<210> 14900
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14900

tcacatagtc cgcctttgct tgaccttctt tattcttaaa aacagaaaca ttatgcatat 60
 gcaaaagatc aagaggagtt agtatgttaa aacctcttc catttctaaa ggagagcaat 120
 tactattgct atgaacaact ctattggtag caaactcaac atgggtgtaaa caggcttccc 180
 aangttttaa agttcttctc taaactgtca taagcaaagt tcccaatgtc ctattaacaa 240
 cttctcggtt gcccatcggc ttgtgggtga caagtgggtg aaaataacaa tttantgtcc 300
 aacttgcccc gcatagtcct ccataaatgg cttaggaact taaagtccct atcactaaca 360
 atgctccttc gcanaccatg gagtctcaca atctccttga aaacanatca ccacatggga 420
 agcatcatca acttttttac atg 443

<210> 14901
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14901

agacacacga catiganaac gaaaactcgt agcaagtgca taccgcaatc actcttcaat 60
 cgtcgcgaaa tagatggaca tgctccaatn tgaaaaagaa agttcatagc anattcaaac 120
 gacacataac ttttacacgg atgtccgatt gagtcccgta atatatcgng atgctccaac 180
 atgaaaacgg aagctcctag canattcaaa cgacaataac tttntactca gatgtccgac 240
 agaggttcgt aatatattga gacactgcat attgagaaca gaagctccga tcanattcaa 300
 acgacaatat c 311

<210> 14902
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14902

gcttccgtga ttcggaagct cttgctttct caccctgaag nggagtttct ctggtggatg 60
 gacagtgatg caatgttcac cgacatggcc ttngaggtgc catgggagag gtataaagat 120
 tcgaactttg ttatgcacgg gtggaatgag atggtgtatg atgagaagaa ttggattggg 180
 ttgaacactg gtagttntct gttgagaaac tgtcaatggt ctttggatat tctngatgct 240
 tgggctccaa tggggcccaa ggggaagata agagatgaag ctgggaaagt gctcactang 300
 gagcttaaga atanggcctg ttttgaagct gacgatcaat ctgctatggt ttatttggtg 360
 gcaactggga aggagatatg gggttgacag ggttaccttg agaatcacta ctactt 416

<210> 14903
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14903

cacatcttct tatgtgggtc ttgaatggct atcaaaggcc tatatatatg tgacttgaga 60

cacgaatntg ctaagagttc tttggatcaa aaaggtctta tcctcttaaa aagcacatc 120
 gttttatcct cttacanatt ccttggccaa attacttgtg attcaataag gaattatttg 180
 agtgctcaaa ttgttcaatc tatctttttc aagagagata tcttcttttc ttctttttca 240
 ttctgaacag ggattaagag accgagggtc tcttgggtgt aaagaattct aaacacaaag 300
 gaagggttgt tcttgtgtgt ctagaacttg taanaaggaat ttacaagata ggggaact 358

<210> 14904
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14904

ctctagtgt agtntgtcct aaccgaggg aacccttga ggtgtattgt tatgcatcaa 60
 agatggggtt aggaggagtg ttgatgcaaa atggccaagt agtggcatat gcttctagaa 120
 aactcaagac tcatgagagg aattatccca ctcatgacct ggaattagct gttgtgggtt 180
 ttgcccttaa gatgtggagg cattacttgt ttagctccaa gtttgagggt tttagtgtc 240
 ataagagcct taagtacttg tttagtcaga aatagctgaa catgcgtcag aggagatgg 300
 taaagtttct taaagattat g 321

<210> 14905
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 14905

cttgattaat tatccacaat ggcaagctga gaggtttgt ccttcccaat atgtcctgga 60
 aacatggcaa taccatgcc tttgtcctga aaagagtttg cagccctgcc gggaacattc 120
 ccatgcaact ctgtggaggg tacaacatta agattgctgg gcttagcccc gtatagtgt 180
 gcagaacctg ctgctgctgg ccagaatgaa ttcacctcg caatttgctg gtgacacaat 240
 atattgagag caatgtagca gtgggttgca caccttttcg gccgaggctg gttaaaaaga 300
 agatggggaa gctgtaattt aaggagagaa gtgattaatc aggaattcaa ttccacattg 360
 tttcaaaatc ataagtttaa aaagggggaa agtaccggta ttgctgcaga tgtca 415

<210> 14906
 <211> 517
 <212> DNA
 <213> Glycine max

<400> 14906

agcttctgca tccaatcccc tgatgaggat gtccatattgt tcttaaaact ggactgated 60
 atttgcttcc aaagtttcat ggcttgcag gtgaagaccc acacaagcat ctgaaagaat 120
 tccatattgt ctgtccacc atgaaacccc ccagatgtcc aggaggatca catatttcta 180
 aaggcctttc ctcatctttt agagggagtg gcaaaggact ggctttatta ccttgctcca 240
 cgggccatca cgagctggga cgacctcaag agagtattct tagaaaaaat tttccctgct 300
 tccaagacta cgaccatcag aaaggatatt tcaggtatta gacaactcag tggagagagc 360
 ctatatgaat actgggatag atttaaaaaa ttatgagtag tttccagcaa caggtacaat 420
 cccgggtgga ggaatcatcc caaccttaga tggctgaatc cttcacaaca atagcagcag 480
 caacaacctt tattttcaaa atgctgctgc cccaagc 517

<210> 14907
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 14907

agcttatatg tttttcacaa attgggcatg ggcattgttc tttaacatta tatcacttca 60
 aaaattaata tgctggaaat tcgttgatgg aataaaatac cattgcatgc aacttgatgg 120
 tctgttggtg gtacccatcc aaaacgcaa ccttgctcctt cccaacttt cttaaatttt 180
 taaccaaggg aattaaatta tcatcaatgt tatttcttgg atgtcttgga cctgaaatta 240
 tcat 244

<210> 14908
 <211> 562
 <212> DNA
 <213> Glycine max

<400> 14908

agcttctaaa gtagtataat gaagttggct tttatgagga gttaatatct gacctccaat 60

actaaatgcc gattcagaag ctacagggga gatcggaata gctaacacac cccttgcaat 120
 tgctttagt gttggatact ttaactcatt caatttccac cacattaaaa tatcaaaatc 180
 tgaacttctt ggcaaaactt ctctctctaa gtaatgatct aactctgttt tcatagttaa 240
 gggtcttgcc attttctttc tttcaatgta tctatcataa tcacacaatt tactctttcc 300
 atcactaacc acatcttggtg attcaaaaga actagtagaa tcttgatgct tttcggcttg 360
 atattccgaa accaaatcat aacacaagtt tcggatccta ttaacttgag aaaaaaaatc 420
 aatgggataa attgattcaa agtaaaactc aagcaactcc attttgtatc ttggatctaa 480
 aacaatagca acttccatga tcacatgaat tacactccca taaaaatcaa atttttgtaa 540
 catctttttt ggcctatttt ga 562

<210> 14909
 <211> 530
 <212> DNA
 <213> Glycine max
 <400> 14909

attacattaa aatactaacc atattatttt aattattttt ttaaataat taaaggtaac 60
 caaattaatt attttctat taacggaaat ctatattatc ataataatatt aaaatattaa 120
 cgtaaaggcg tttctttttt aactataact cgacttagtg gacacaagta ataatcacc 180
 actataagtc cgacaagata aatatttttt tcgtgtccat gcagttgcct attaagtgt 240
 cattcataaa acttacaatt actttttcta taatataacc atattaaaat attaacgtac 300
 attaataat taaataatatt atcataatat tcaaatttac taacataatt acgttaaaca 360
 tacgtataaa ttatattaac ataaacataa ttaatatata tatatatata tataatagac 420
 atataaaata cataacataa atgtgttata tttattaata taaaataata acaatattat 480
 gaaacctatc attaaataaa tataatatgt gtattaacga ataaaaattt 530

<210> 14910
 <211> 634
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14910

agcttattga atatccacga ataacacact gtatatgtga agagattgca cactttattc 60

aatcatatga aaatgaatTT tataagcctt acagacttga ctctcaaaac agaataacaa 120
taaaaaacaaa aaccacaaaa ctgcatgacg cataaaatag gattgtttat tgacacatta 180
aaataactaa cattaatttg tattttaatt ctcttttaat cactatagtt tgaaattgat 240
cttttttagtt cctataatTT gtattttaat taccttttag tccttactgc aataaatafa 300
taaaataaell agctacaaat tagttataaa ttatcaacta ttttttatt tcaaatcttc 360
ttgtgataaa ttagttatga attacttgct aatatttttg tagntaatta taattgataa 420
tattactcat attttgatgg gaagaactaa aatgaaaatc aaatataaag tatagggact 480
aaaaaggtca ctttcaaact atagtgacta aaagaaaatt aaaatgaaaa tgataaggac 540
taaaaaatca ttttcaaact acagagacta aaagagaatt gaaatgtgaa cttttatact 600
taaaaaatta cttttaaact ataatgacta aaag 634

<210> 14911
<211> 488
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14911

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aatacaaggg atcacattca caaacaccat tcaaatatgg aaacgttact gatattccta 120
ctgcagtgga ttggaggcaa aatggagctg ttactgcagt caaggaccaa ggccaatgtg 180
gtaatcaagt aacagagaac ttttatttat ttttttatca gcaggaatca aaaacaggta 240
ccagggagtt tacaataact cacgtacctt gctcaatcat ctgagctaga ccacctggat 300
taacacaaaag aaaatgaacc ctnnattaaa gtgatactat tttcttttgt atatatcatt 360
gtcatgatgg cattaattaa aattggttaa tttgtaaatg aattaaacag gtaactgctg 420
ggcattttta acagttgctg caacaaaaag tatctaccac ataaagacag gtatgctaatt 480
gtcccttt 488

<210> 14912
<211> 390
<212> DNA
<213> Glycine max

<400> 14912

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gtaaaaagtt attgtcgggtt gaatttgcaa cgaccatcaa cattcaattt cgagcctctc 120
gatataattac gcgactcaat cagacatcag agtaaaaagt tattgttggt tgaattgggt 180
gagagcttca acattcaatt tcgagtgtt cgatatattc tgggactcaa tcagacatcc 240
gactaataag ttattgtcgt tgaatttgc caaagcttca aaatgcaatt tcgaggggct 300
cgacatatta ccggactgga acaaacatgc gagttaaaaa gtattggcgt ttcaatttgc 360
tcccaacttt cacattcaat tttcatcgtc 390

<210> 14913

<211> 378

<212> DNA

<213> Glycine max

<400> 14913

ataaattaat gacctattta gtttagtaac cctaaaccct aattagtcac gtaaccataa 60
atactaatta gccacataac cctaaccct aattagtcac gtaagacaaa atcataatta 120
gtcaagtaac actaaaccct cattagtcac gtaaccctag accccatta gtcaaataac 180
tctgtcatca aaacactaaa acataaataa ttatataatg ggtgatgttt gtttctaatt 240
tatttttcca cagtcaatac ttaagtcaaa aaataaatat acaacgttca ataaacacac 300
ttattatcat atacatgaca ccccataagg gactaaggtc atcttcctta ataacaagcc 360
tattcaacct cgtaattg 378

<210> 14914

<211> 356

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14914

tacatctttc tagttgcatt ntcaccttat cagaagagac tctgaaaagt taagatacaa 60
ctcataatgc tgtcaattga atatgtaaca atcaccacga tggcatgcct gatgcaaagg 120
atgagatctt tgggtccagtc caatccatat taaaattcaa gtaagacaac aactagtgtt 180
agttaattac tctgcagaga atggtattat actaccatac atgtgttggg ctttgtgcat 240

taatttttgt gttgatgact ccagggacct tggtagagta gttcaaagag cgaacaacac 300
acgttacggg cttgcggcag gagtgttcac aaagaacatg gacactgcat acactt 356

<210> 14915
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14915

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tcagaggagg tcaaagaagg ggatgagaaa agcgagagtt ctctcggaac ggtgtcgttt 120
gatctgcaag aggtgcctaa aagagttcct ccggatagtc ctttggtccc gcagtggtag 180
actctcgaat ccgaaacctc gccggcaaata gacgtcatgc tcgccgtttg gatcgggact 240
cangccgacg aggcctttca ngaggcttgg cagtccgatt cccgcggctt gataccggag 300
acaagagcta aagtgtatct ttctcccaag ctctggtatc ttagactaac ggtcatccaa 360
acc 363

<210> 14916
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14916

catgcaagct caatggccat ggtgattgag aaggagttaa cattatggga tttcanatca 60
tgcttctatt ntgcttttta gacatgactc ttgcttcaat aacatggttt gctagtcttg 120
taaccaccaa cctagtacca ttgcataacc cttgtgattg atacatgttc cttaaaagca 180
ttattggggg acccaccttt agttttatct tatgattagg aagaccaaata gttctcaaac 240
tattgagaaa ttcacttggt accacttcaa gtgcatttca ttcaaccatt ttgacttgt 300
caattgaata agaacttaga tattcccttt gatcacctga aaacaattca ttaataaaaa 360
cattgtagaa tcaatattaa ttattaaatc aattgattta tttgtgagat acctggaata 420
a 421

<210> 14917
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14917

tgctntctat tgatttactt gattgtgctt ttattcacca atttaatgca agttaattaa 60
 talgaaaaat atttaagggt cattatttga ttgtcaatat cgaatgggaga talaaaaaat 120
 cattttttta attntatata aaaanatgta aacaaatagt aataattagt tatttaatat 180
 aatttgtaaa ttaattttta tccactctaa tggtttagac tntattttta gtgaatcaac 240
 ataaatattc ctccgctgtg ctgttccacg tgtgtctcta gataactctnt ttcataattt 300
 cattgttttg tctaataaac agccaatgta cttgttggtta taattgagag tagttcaggg 360
 aaaacaaaca atccaaagga attctatata tcatgaagct ctctgtaacc ttgatatgct 420
 tagctgtatg tccatctatg 440

<210> 14918
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14918

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 tttogagctt ctcgatatgt gatttgcttg aatcggacat ccgtgtgaaa agttatacca 120
 gttgaatttc tcaagagctt ccgttggtca gttntgagcg tctcgatatg tgatttgctt 180
 gaatcggaca tccgtgtgaa aagttatgac catttgaatt tctcaagacc ttccgttggt 240
 caatttogag cctctcgaca tattatgcga ccgaatcgga catccgtgtg aaaangtatg 300
 gncatttgaa tttctcgaga gtttccgatg ttttaatttcg agcgtatcga tatattataa 360
 gcatgaatcg gacatccgtg tgaaaaggta tgaccatggt gatttctaaa gaactttca 419

<210> 14919
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14919

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aaaaagtaat tgggtggttga atttgttcag agcttcaaca ttcaatttcg agcttttcga 120
tatattacgg gactcaatca gacatccgag taaaaagtta ttctcgtttg aatttgc tca 180
gggcttctgt attcaatttc gagcgtctcg atatattacg ggactcaatc agacatccga 240
gtaaaaattt attgttggtt gaatttgctc agagcttcaa cattcaattt caagcgttcc 300
gatatattac gggactcaat canacattcg agtaaaaagt tattgtcgtt tgaatttgc t 360
cagagcttct acattcaatt tcgagctttt cgatatatta cgggactcaa tcagacatcc 420
gagtaaaaaa 429

<210> 14920

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14920

tttcttgaat cggaccttag tgtgaaaagt tttgatcatt tgaatttctc gaaagctttc 60
ggtggtcaat gacgagcatc tcgacatatt atgcgctcga atcgaacatc cgagtganaa 120
gatatgacca tatgagtttc tcgagagcct ccgtggttca attccgagca tcttgactta 180
ttatgtgccg gaatctgacc ttcgtgtgaa aaggatgac catttgaatn tctcgagagc 240
tctcgattgt taatttctag cgtctcaata tattgtaagc ctgaatcgga g 291

<210> 14921

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14921

gacatgatca tccgaatcga cgacacgtcg tategctcca catcaggact cttagcaatg 60
gccaaaacga ttggcggcac aaacggcgcg acgctcacat tgtgtttctg caccaactcc 120
agcaacgcaa ctatatcaaa cttcggaacg atcaaaacgg cagcctcaac tcgaagcgaa 180
cacagcanaa cagagttgag cgaataaatg tggaatagtg gcagaacaca cactaccaca 240

tcgtcgctgc gaaagtacaa a

261

<210> 14922

<211> 235

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14922

tcttaagttc ttcttaagta cttaagtatg gtcttaacca ctttctaatag ttcctcacca 60

gggttntctt gatatcgaca agttacacct agtgcataag cgacatcagg acgtgtacaa 120

gtcatgggtg acatgatagc tcccactaca ctagcatatg gtactctact catgtgttct 180

ctttcttcag aagttgttgg acaattctcc ctactaagag caattccaac accta 235

<210> 14923

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14923

atgctacatt catatnccag acgtgaagag gcacaagctt gaagataaga ctatacgagg 60

tatcttcctt gggatatagca atatctctaa gggctaccgt gtctacaact tgcaaactaa 120

gaaactcgtc atcagtcgag atgttgaagt taatgagtat gcttcttgca attgggatga 180

agaaaaagtg gagaagaatg ttcttataacc cgctcaacta cctcaagaag aagctgatct 240

agaagacca ggtgaaccac cttcaccttc accacaacaa caagatcaag aactatcatc 300

accagagtct actccaagac gagt 324

<210> 14924

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14924

acctagaatc tgagaataac aacacacatc atcttcttga gcatcatgaa ctngtcaatc 60

ttcaaagcct tggtcataat atctgtctacc tgcaagtctg tcttacagtg ccttcaaatc 120

aatttgtctt tgttcacttg atctctcagg aagtggaacc tagtttctat gtgtntactt 180

ctgccatgtg agactggatt tttggccaaa tctatagcag atntgttttc caccaacagc 240

tccacagtcc cactcatctt cacattcaat tcttccagca agtgtgtaat ccaattggcc 300

tgacaagcag cactacaagc agaaatatat tcggcttcac atgtggaaag agcaatcacg 360

<210> 14925

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14925

acaaagagag tggaaaatth caagtgggtt gcttgaggac tggacgtana cacnggaagt 60

ggccgaacca ctataaatca agtgtgcatt ccttctttcc ttaaacttct attatttatt 120

gctatntatc ttctgctgta gagacgttta ttttgaattg tcttttgagt aattcatgtt 180

aatggtgcat tgctaattcca aaaagagaga gtgacagttt aattggcgaa tagtcttttg 240

tatttaattc aacccccac cccttcttaa gataactgag gccatttgtc caacatccta 300

ttcttgataa ctacttctc tctaaaaaga caaactttcc ggaatgataa aatgatgtca 360

aatgaact 368

<210> 14926

<211> 228

<212> DNA

<213> Glycine max

<400> 14926

atgagcaact cacgattcaa cagatgtgac atggaccatt gctgctacgt taagaaatat 60

gctaatagct atgttatect tgtcgtgtat gttgatgaca tgttgattgc aagatctagt 120

atgacagaaa ttaacatggt tgaacagtag ttggcagaaa actttgaaat gaaggatctt 180

ggtctagcta aacaaatcct tggtatgaga attcttagaa acagatca 228

<210> 14927

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14927

tagatatgcn aaaggcacac actgatttgg aataagatac cattatgcta aaaacttcag 60
 acttcatggn tattctgata gttgatgggc tggatgtgct gatgatatga gaagtacctt 120
 caggtatctt tntagctntg gttctagaat tntctcatgg tattcaaaga aacaggaagt 180
 aatagctcaa ttcacagcag aagcagaata tgttgctgca actgctgctg taaatcaagc 240
 tcttggctc agaaagctta tgacaganlt gcataatggaa caacaggaca gtargcatat 300
 atttgtggat aatcaagctg caatctcaac ttcaa 335

<210> 14928
 <211> 205
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14928

taacccgaga gaaccctctg aggcgtattg cgatgcatca aagatggggt taggaggagt 60
 gttgatgcac aatggccaag tagtggccta tgcttctaga caacttaaga ctcatgagac 120
 ggaatatccc acccatgatc tggagntggc tgctgtgggt ttgcccttaa gatgtgaggc 180
 actacctgtt tggctcacag ttgag 205

<210> 14929
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14929

tgcacaccat ggatttggcg gaagacacaa tgtcagtatg ttgcnctat ttacacctcc 60
 tctcgaaca aggccattac gaaatgcata gttcacatct aactggtgaa gagactaacc 120
 ataggcgaga gccacagaga gaagaagtct cactgctatg ggcttgatga caggtgagaa 180
 agtctcagtg taatctgttc catattgctg atgaaatacc ttagctacc 229

<210> 14930
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 14930

tgatggggac ctggttgaaa attcagaggt ggatgatgat tgcattggtt ctccagatct 60
gtttaaaagt gttagtttgc ctacatatcc actggaaaat tttgaaggtc gtgcgttctg 120
ctttttacct ttaccaatca gtactggtct tctgtctcat gtaaattgcat actttgaatt 180
atccatcaaat cgcagggata tctggtttgg ttctgatatg gctggaggtg gaagaaagcg 240
ctcagactgg aatatttacc tctcgaaaaa tgttgttgcc cctgcatatg gtcatttgc 300
tgagaagata gcatcagaga ttggcccttg caatntgttc ttctcgttat ggccaacatc 360
attagggtta gaaccttggg catc 384

<210> 14931

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14931

tgaagtcagc tatgaccact actctgtgcc ttgccctgcc ggacttcagt atcccattta 60
ccgtcgagac tgacgcctct ggctccggca tgggtgtagt cctcatgcag aggggacatc 120
ccctggcttt cttcagcaag caattttgcc caaaattgct ccgtcatcc acgtaaattc 180
gagaattaca tgccatcacc actgccgtca agaagtggag gcaatactc ctgagtcaca 240
ccttcattat tctgacggac cacaagagtc tcanggaatt gatgactcag ccggtgcaga 300
ccccagagca acacgtgtat ctagccaagc tctcggcta cgattacact atacaatata 360
aagccggtca caataacgcc gtggcagatg ccctatctc 399

<210> 14932

<211> 393

<212> DNA

<213> Glycine max

<400> 14932

tattagaccg attgaattgt gagagtgaga tttttctgag agaagttttt aaaatgttta 60
tgagagaaat aaaaaatatg accatgaact cggaaagaac tttattgtta ttatattttt 120
tattataaat ataaataaaa tacgcaattg aaaataatgt tagatttcat tgaatgggta 180
aacaaatctt taaaatgatt atgtttgttc caatatttaa aaagatttga tttctataaa 240

gtatcaatac atttattaca ataatacgag ggttttcttt tcacaagaat tggaatgtat 300
gatgagtaat ttttcctttt agttcacggg acttggtata ttgcaactaa atctatctta 360
ctaactctat tattgttttt tgtttattac tag 393

<210> 14933
<211> 370
<212> DNA
<213> Glycine max

<400> 14933

tgagccttcc acaaattctg gaatgtgacc tgttataaaa ttgtttgaca cgtctataac 60
ctccaaagag ctgcttgtcc tgtcatttat gattgttgat agtgaacca ccagcagatt 120
atcatgcaaa tctatggaag acagttctgt tggttaattg atttcagaaa tgtcaaact 180
cagctggttg tttgagagct tgaccttttg caagctggac atgtttgtga agaaatttga 240
aataccatcc accagatagt tatctgatag gtcaatagag ctgagagagt caggtcttgt 300
gaagtgtgga agatctccct tcaatttgca cccagctaga tggacatctt taagctgctt 360
gcttctgac 370

<210> 14934
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14934

atcaattact actgaattcc ttaattcatt gaacacatnc ggntngccaa ctcatctat 60
caaacttaaa attggaagtn ctaataatgt gntaaggaac ctcgaccaa atcaaggtct 120
atgtaatggt actagattag tggttaacaaa gatggcaaaa catgtaattg cagctgaaat 180
tatctcaagt aaaaacattg gtctcgcttg ttatattcca agaattgtcaa tgtccctttc 240
acaatcacc tggcccgta aactattaag aagataattt ctgattatgc tatcttatng 300
caatgacaat aacaagtcac aggacaatc actatnncat ggtggactnn tattgccgaa 360
acccatattc actcatggcc aattatatg 389

<210> 14935

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14935

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 gcaeccatit ggctctglet ttgttgatag acccatcagc attttctttt acacgaaata 120
 cccatttaca tcccactgcc tgtctcatga atgattattc ctgagagcag cataactcctg 180
 ctgcatggca gaaacccaat tggaatctgc caaggcctgg ttgacattnt taggttcagt 240
 gtgggttaaa aaaagagaag gatgaaatcc aaactttgac cctgtttgca taggggtgtg 300
 ttagaaggtc taggaggaga ctcataatnt gagtgtgtag acttagagga agtggaagag 360
 gaactntgaa gaagatgata ccagaacctt tcct 394

<210> 14936
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14936

gtgagcaaatt tcaaacgttc attatactnt ngactttgga tgtccgattg tgtcccgcag 60
 natatcgaga cgcgtcgaat tgaaaaggga agctcttaga aaaatcaaac gacaataact 120
 tttaactcgg atgtcggata gagcccggta aaataccgag acgctcgaaa ttgaaaacag 180
 aagctttgag catattcaaa cgacaataac ttttgactcg gatgtccgat tgtgtcccgt 240
 agtatatcga gacgctcgta attgaaaaca gaagctttga gccattcaa acgacaataa 300
 cttttatctc ggggtgtccga ttgtgtcccg tactatatcg agacgctcga aattgataac 360
 tgaagctctg aggaaaatca aacg 384

<210> 14937
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14937

agcttatatt gatttctttg aaccctatct ntactctttt tcataccccc aacaagaaag 60

aaccacaact taggaaccaa catgattgat cattcatcta gtgttaatag taagggtact 120
 agtcatacgg accctctatc tagaatatta agtgagttga gttccctcaa gttatggaaa 180
 gaacaactag aaagaaaatt aaaaggaaaa gaaagggtag aaataagtaa agatgagagg 240
 gaacatataa gggaagaaga aagaaggaaa atactaatag ttaagaatag agcaacatgc 300
 tctctatagt agtcatgact ccttcaagag cctaagtga gaacatactc actatctatg 360
 aggaaagcat aggtcacatn ctagacctca ctncatagg agaaaaaaag gaaagaaagg 420
 atcaagaggc taacattaac ctctcatact tccatgggaa ggacaat 467

<210> 14938
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14938

ngtctaattg aaataagctg tttagagctt attctaataa gcttttccat cgagtttatt 60
 gaaacaagtt gttcaataga ctgcaaaacc tttttttttt tgtctttatt aggattgaat 120
 aatgcaccaa agttattggt attgctgatg tgcatagatg ttgacagggc tgatttttgg 180
 tcttttggga ttacggcact tgaattggct catggccatg caccattttc aaaatatacct 240
 ccaatgaagg tatttacatc ccgtggttgt tcagagacaa tgtctagaca catgttaaca 300
 ttggaccgat tgaagttcat gtgatataat ttgtaataaa agaaaaagag agttcacttt 360
 t 361

<210> 14939
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14939

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 aggcgtttct agttgaactt ctccacctcg ctcatgtga tttctcgcaa tggctcttggc 120
 tcgatccact tgggtgaagta gttgatagcg actagtaaatt atttgactgc tcacgattca 180
 acaattgtcc tagtatgttc attccccata tggcgaaggg ctaaggggaa ctcgggttgt 240

ggagattgtc aggagaggtg cgcggaatgt cagcgaattc ctggcatcgt ctacacttct 300
 ttgtgaagtg gatggcggtta gccatgagtg ttggctaata gtagcttgcg ttcaccac 358

<210> 14940
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14940

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 ctcgaaattt aaaaccgaag ctactagcaa attcgaacaa caataacatt tcaactcgga 120
 gtctgattga gtcccgtaat atatacggga cgctagaaat ttaaaaccga agatcgtagc 180
 aaatttgaac gacaataact tttcagtcag aagtctgatt gagtcgagta atatatcgag 240
 acgctcgaaa tttaaaaccg aaacttgaag catattcgaa caacaataac atttcaactcg 300
 gaagtcgat tgagtcccgat aatatattcg agacgctaga atttaaaacc gaagctcgta 360
 caaattcgaa cga 373

<210> 14941
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 14941

gcttaacacc ttgcaagttc tccatatttt caatgtatta atagttgctg aaccttgtct 60
 ttatcctctt ctaactacag gcaaaatttt cctgaaatcc ctacccaaaa tcacaacctt 120
 tocaccgaat gggttatgga tgctatcttc aaattgaaat cccattaggt ctaaggtgcg 180
 atcaaacact tcaaagcaaa acttgttcat catgggcgct tcatcccaaa tgattagttt 240
 agcttctata agtagttttg ctcaattggt gccttgtttg atattgcaag ttaaactcctt 300
 attgataacc aatggaagac aaaaggtgga atgagatggt ttatctccag gtaatagcaa 360
 agaagcaatt ccacttgaag caacattaag gacaatg 397

<210> 14942
 <211> 379
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14942

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cgcaaaagnc actcaaaacc gnnatcaattt tcaacgcctt aaacggctct ctttgccttt 60
atcgggtaac atggaccgct caaaagcata aaatcaacac ataaatttac cgtttttgca 120
agaactacgt aggtcggagt tctcctcctc aatggaggat acgtaggagc aaaagcctcc 180
cctttgtcga ccacccaag aggtcggttaa tgggtccaatg ccttaacggt tctctctttt 240
caaaaacaaa agatcgctaa tgggtccaacg ccttaacggt tttctccttt caaaaaaaca 300
agatatacctt aatgggtctaa tgccttaacg tttctctcct ttcaaatca aaacatcggt 360
taaagggccca acaccttaa 379
```

<210> 14943

<211> 369

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14943

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agcttgaatg ctctattcaa tggagttgac aagaatatct tagactgatt tacacatgna 60
cagngggccaa ggatgcatgg gagatcctga aaaccactca tgaaggaacc tncgaagtga 120
agatgtccag attgcaacta ttggccacaa aattcgaaaa tctgaagatg aaggaggaag 180
agtgtattca tgacttccac atgaacattc ttgaaattgc caatgctcgc actgccttgg 240
gagaaaggat gacagatgac aactgggtga gaaagatcct cagatccttt gctaagagat 300
tngacatgaa agtcacttga atagaggagg cccaagacat ttgcaacatg agagtggatg 360
aactcattg 369
```

<210> 14944

<211> 390

<212> DNA

<213> Glycine max

<400> 14944

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agaggagtgt tgatcacaaa cccatcatat cacttaggtg caacaattca acgcacggtt 60
ctggaggagc ttcttgactc tgtgactcgc aagaacatat aacttgtctc agatgaaatc 120
```


tactcaggct cgggtgttttc ctctccgaa ttcgtgagtg tagcagaaat cctcgaagct 180
 cgccaatata agaacgcaga gaggggttcac attgtttata gcctctccaa agaccttggt 240
 cttcctgggt tcagagttgg aactacttat tcatacaatg ataaggttgt gaccacagcg 300
 agaaggatgt ctgagttcac cttaatatcc tcacagacac agcacctttt ggcttctatg 360
 ttgtctyata agaaagtcac tgataactac 390

<210> 14945
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14945

ctgaacagac cattcagtcg ttggaggacc ttttaagagc atgtgtctta cagcacaagg 60
 gaagctggga gaggtnctt ccattgatag agttcactta taacaacagt tttcattcta 120
 ccattggcat ggctccctat gaagctttgt atggcagaag gtgtagaaca tccctatggt 180
 ggtagagcc cggagaaggc ctcaccttan gaccagaagt ggtacaacan accactgaga 240
 aaattaagtt aattcacgat aggatgagaa ctgctcagag taggcagaaa aagtatcatg 300
 ataagaggag gaaagatctg gaattcgagg gtggtgatca tgtattcttg agagtcactc 360
 catgg 365

<210> 14946
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 14946

tatgctgcaa atatttacia tatacctcct cattctcagc agcaaatca accacagcag 60
 aacaattatg acctctccag caatagatac aacctggat ggaggaatca ccctaacctc 120
 agatggtgca gccctcagca acaacaacag gagcctgctc cttccttcca aaatgctgct 180
 ggccaagca aaccatgcat tcctccacca atccaacaac agcgacaacc gcagaaacaa 240
 ccaacagttg aggccctcc acaaccttcc ctgaagaac ttgtgaggca aatgactatg 300
 cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360
 ggacaatt 368

<210> 14947
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 14947

aagccclaaa cggcctctct tgccttttalc gggiaacalg gaccctgcaa aagcataaag 60
 atcacacata aatttaccgc ttatgcaaga actacgcagg tctgaattcc tcatcgcaat 120
 tgaggatacy taggagcaaa agccccgcct ttgtcgacca cccaagagg acggtaatgg 180
 tccaatgcct taacggttct ctctttttcaa aaaccaaaga tcgttgatgg tccaacgcct 240
 taacggtttt ctctttttaa agaaacaaga tctccttaat ggtctaattgc cgtaacgtct 300
 ctctcctttc aaaatcacaa catcggttaa 330

<210> 14948
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14948

agcttgaatg ctctattcaa tggagttgac aagtatttct tcagactgat caacacatgt 60
 acagtggcca aggatgcatg ggagatcctg aaaaccactc atgaaggaac ctccaaagtg 120
 aagatgtcca gattgcaact attggccaca aaattcgaaa atctgaagat gaaggaggaa 180
 gagtgtattc atgacttnca catgaacatt cttgaaattg ccaatgcttg cactgccttg 240
 ngagaaagga tgacagatga naaactgggtg agaaagatcc tcagatcctc gcctaagaga 300
 ttngacatga aagtcactgc aatagaggag gcccaagaca ttngcaacat gagagtngga 360
 tgaactcatt ggttccttca aacctttgag ctangactct cggatagggc tgaaaagaag 420
 agcaagaatc tggcgttcgt 440

<210> 14949
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14949

gtcacacaca aatgataaaa ctataaccta agttaacaaa aaanaattac aactgtcaac 60
 tggtaatcaa ggttttaaaaa aaaaagtctg caacatcaag gtttccaggt ggcagggaga 120
 ggcggagagc taataacaaa atcaccaaat caaccaacac aaatctcaat atctatcaac 180
 taactgatcg aatttcttcc agcaaaaagc taacatttaa caagaattta ccaaaaacca 240
 aggcatacaca aatccgatcg aatataatac aatctcaatt caagccaact gttcaaagat 300
 tntaccaatc tcgacgcaa gacctacat cccgcagatg agaaaagtgg aaccgaagag 360
 cctntgcatg atctctcgcc catacacggc gagttgtcgg ctgtggagat cctcatcgat 420
 gt 422

<210> 14950
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 14950
 ctctgcagag aacaatgcag aaaccaaaaa atacccttg ttttcatact ttcgttgtcc 60
 atcgaggtag tgaacaaaac catcaatgag atatggacca acataagaag ccaaagtgtt 120
 taacaataca agaaaagctg tgataagaat ctcttccat gctgaaatta ttaacgattt 180
 caccaacttc agtgtggtga cactattaat tccaccacaa tcagcctcaa ctttctctct 240
 gaaagttgga aaagcaccaa ttacactatc tctgctgtct agttgaggaa catcctcaag 300
 gtccaggggc ttcttattac caacggctat aagaggaccc acccaagaga aggtaagaat 360
 gctcaaaatt ccagcatatg agaaaggggt aactga 396

<210> 14951
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14951

agcttctcga tatattatgc gcctgaatct gatcttcgtg tganaagtta tgttcttttg 60
 aatgtctcga gagcttccgt tgctcaattg cgagcgtgta gatatttcat gcgcctgaat 120
 cgggcacccg agtgaaaagg tatgaccatt tgtatttgtc gagagcttcc gatgttcaat 180

tacgaggggtc gcgatatgtt atgtgcacga ctggaacatc cgagtgaaat gttctgacgt 240
 tggaatgtct 250

<210> 14952
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 14952

gcttagccct agaggggatg gaccttttca ggtttttgag aggatcaata tctttgccta 60
 taggttggac ctcccagaag agtatggagt cagcaccact tttaacattt ctgatttaat 120
 tccttttgca aatggagctg atattgagga cgaagaacta acagatttga ggtcaaattc 180
 tcttcaaggg gaaggggatg atgcaatcct ccctaggaag ggaccagtca ctagagccat 240
 gagcaagagg ctccaagagg attgggctaa agctgctgaa gaaggcccta gggtttctcat 300
 gaacctcagg gtagatttct gagtccatgg gccaacgttg ggtccaatta tctttgtaca 360
 tattagacta ggatgtcatt atattt 386

<210> 14953
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14953

ctgcagctat gggatgaatg gcaattatca gcagatttct ctctgcactt atggaggatg 60
 caagtgtgac gttgggatca aaatggagaa acaacgagaa gaagagaaag ttcattcaatt 120
 cttgatgggt ctagatgatg ttttgtacgg tacgggtccgc tctaaccttc ttgcaactga 180
 tcccttgcct acattaaata gagtgtatgc cactttgggtg caagaagaaa gagtgagaac 240
 catatctcgg ngaaaggagg aacgaggaga ggctgttggg ttctctgcac aggcccgtgg 300
 aagaaccata ggactcgctg aatcaaa 327

<210> 14954
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 14954

cctgattagc agccattgga gttttttgca cttctaactt atcaactatt gtggtgaatt 60
aatgtttctt atggattcct aagggtattct cctcttattg agccgggaat caggactagt 120
attcagcggg tacgtcatca gtttgataag atgtgttata ttttataga atgcggaaaa 180
ataaatgatg taagagatta cgtcaaccgt atagaatttt ttttatatat attctcctaa 240
cgaatcgtca gataattacc tttcactcca tagataaac ttagatagta acacacaccg 300
tggtttttatt cgatcccata aaatacacac ccttgaaaag gagtgattat gg 352

<210> 14955
<211> 383
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14955

tatgaagaaa gatgatgtta tgattntaac cctttcacat tttttttaga agtttaatta 60
ttttgatgtg aaacatgttt ctactcctta tgactcatto attaatgtaa agaaaaattt 120
gagtaaata attttttcac ataaatatcc tcaaattatt ggttctttgt cacatttgac 180
aaacttctct aggctgaca ttgcatatgc aattgataga ttagaaagta attgagggat 240
ttagtgatgc aaattggatt tctgattctg atgaaataaa atcgacaagt ggttatgtct 300
ctacttttagc tggcgggtga gtatcatgga aatctgttaa acaaactatt atttcacgtt 360
ctaccataga agcaanaact att 383

<210> 14956
<211> 394
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14956

gcttgtgcaa agatagagat gatacacaaa gagattttat ttttcattnt atatgttngg 60
tgaatggaaa ggtttgttct ctaatcattg atgggtggaag ttgtaccaat gttgcaagca 120
ctaaattagt ggagaagctt ggttaaaaaac caccctcac cctaagcctt ataagttgca 180
atggttgagt gacaatggtg agttggttgt ggataagcaa gtgttactta cattctccat 240
tggaaagtat gttgatgaag tgctttgtga tatggttccc atagaagtcg gacatgtgtt 300

acttgggaga ccttggcaat atgatagaga tgttgtccat aatgggggtca ccaatcgata 360
 ttctttcttg aataaaggta aaaagttagt tctc 394

<210> 14957
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14957

aacaacggct cacaaatggt ggagagctgc gatatgaatc tggcaatata attcaagcgt 60
 cccaggaaac ctccgacttg cctgtctgta cggagttctg gcattctcaag gatagccttc 120
 accttttcgg agtctacctc tatccctttc tggcttacia tgaaaccaag caatttcctt 180
 gattcgaccc caaaggatca cttagcgggg ttcaacctta attgatattt attaacctt 240
 tcgaacaact tccgcacgat gacaagggtg tcttactcag atttagattt agcaattacg 300
 tcgtccacgt agacctcgat ctcttgatgc atcatatcat ggaacanagc taccat 356

<210> 14958
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14958

tcaacatcag accactttta ggggtctgga actatttcac atgggtcttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcagga gtgaccatgg 240
 cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcactcatga 300
 gttctctgca gccattacac cacaacaaa tggcatagtt gaaaggaaaa acagga 356

<210> 14959
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 14959

angctgcagc tatgctgana cattacaata gatttcctca ttctattatc aaaatcaacc 60
acagcagaaa aattatgacc tctccagcaa tagatacaac cctggatgaa ggaatcaccc 120
taatctcaga tggtttagcc ctcaacagca acaacagcag cctgctcctt ccttccaaaa 180
tgttggtggc ccaagcagac cctacattcc tccaaccaat caacaacaat agccccagaa 240
atagccaaca gtgagagccg ctccacaacc tccctagaa gaacttgtga ggcatatgat 300
gatgcagaac atgcagtttc aacaagagac cagagcctcc attcagagct tagccaatta 360
gatgggacaa ttagctacac aatngaata acaacagtcc tagaattccg acaagct 417

<210> 14960

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14960

atccttagag tcacctgang ctgcagctat gctganatat tacaatattt ctctcttttc 60
tcagcagcaa aatcaaccac agcagaacaa ttatgacctc tccagcaaca gatacaaccc 120
tggatggagg aatcaccccta acctcagatg gtccagccct cagcaacaac aacagcagcc 180
tgctccttcc ttccaaaatg ctgctggccc aagcagacca tacattctc caccaatcca 240
acaacagcaa caacctcaaa aacagccaac agttaaggcc cctccacaac cttccctcga 300
agaacttgtg aggcanatga ctatgcagaa catgcatgga ataatgatg tgagttatgg 360
aatggaattt ttatttgatg gagaatctat tattnggaat tgtggaaaaa tgttatg 417

<210> 14961

<211> 371

<212> DNA

<213> Glycine max

<400> 14961

tcaatataaa gatggcctca gcaaactcct tattttcaga agggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa aattttattg 120
aggcaataga cctaaatatt taggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt tacaatagat ggcagttcat caagtgaag tataacaata gaaaaaccta 240

gagatagatg gtctgaagag gatagaaaac gagtacaata caatttataaa gccaaaaaca 300
 taataacatc tgccctggga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
 aggaaatgtg g 371

<210> 14962
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14962

tgacatctga tgtgtggaca tcttgtactt cttatgttat atttcattaa ctgcgcatta 60
 tgttgatgca aattggaagt tgaatggtaa aatggntaat tttctcatt ttcctcctcc 120
 acactcgggg cgtgagatgg ctaaagttat atatggnttt ttttgaaga atggtggatt 180
 gagcacaaaa tattttcatt aattctagat gatgcttctt ccaatgataa aatgcaagac 240
 tatttgaagg aaagactttt gcatactaataa ggttttagtaa gtggtggtga attttttcat 300
 atctgatgtt gtgctcacat ttt 323

<210> 14963
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14963

ntgagtaaatt tcaaacgaca ttagctnnnt acttgtatgn ctaanagagn gccgaanta 60
 tattcaggac gcttaaaaat ggatggtgaa acttttaacc cattcaaacc aacataactt 120
 tttacctgga agaatggatg aagtccggaa tataacgaga cgcctcgaaa tgaatgttga 180
 agctctgagc ccattcaaac gacaataact ttttactcgg atgtctgatt gagttccgtc 240
 atatatcgag acgctcgaaa ttgaatgttg aagcacttag ccaattcaaa cgacaataac 300
 tttttactca gatgtctgat tgagtgccgt aatatatcga gacgctcgaa attgaatgtt 360
 gaacctatga 370

<210> 14964
 <211> 379

<212> DNA
<213> Glycine max

<400> 14964

tcagtgcac cgacatttct gcagtgccac cttgttggaaggccaatgt caatcagggg 60
agggattcaa ttctcatca tgcaacaggt ttaaggctga aaccttatcc tcatctagtt 120
tcatattcac ttccagacc aaacatgacg tcttcaacat ggttttgtca tcttcaatgg 180
ctaacaattt tgtggataat aatataggaa agtgatagga gcaagatact acaggagtgg 240
atatgaagct gctgagggag attcagatgc aaaaaagtcc ttcagatctg caagggacag 300
cactggccat gggagccaca cagcctccat agcagcaggg aggtttgtgg caaacatgaa 360
ctacaagggg ctggcaagt 379

<210> 14965
<211> 372
<212> DNA
<213> Glycine max

<400> 14965

tgcttttaca aaagcatgca aaatgggtag agttcataga gcaatttcca tatgttatca 60
aatacaaaaa gggaaaaaca aatgtggttag ctgatgccct ctctaggtga caaacattgt 120
tttgctccct aggagctcaa attttaggat ttgataacat taaggacttg tatgctttag 180
atgaatattt ctctcccatt tacgagagtt gtgggaaaaa ggcctaagat ggattctatt 240
tggetgaggg gtattttgtt aaagagggaa agctttgcat accccaagga tccattatga 300
aattacttgt gaaatagagc catgaggttg ggctcatggg ccactttggg ataaacaaga 360
cccttgtctt ac 372

<210> 14966
<211> 200
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14966

gcttctcata tgttatgcgt ctgaatcgga catgctattg taaaattatg accatcttta 60
ttttccgaga gcttccgtcg gcaatntcta gcatctcgat acgctatgtg cctgaatcgg 120

acatgcgagt gaaaacctat gaccatttga atttctcgag agcttcccgt ggtcaatttc 180
tagcgtctcg atacgctatg 200

<210> 14967
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14967

acaatattta ctaatagaat taatgagttt aatgttaata tgatattntt atttttagata 60
gaaataaagt attgtttag catgataaaa tataaataaa atcaagatag agataaaaac 120
aactttaaaa agaaaaaaaa tcatgagtga ttttaatttaa taaattatgt gagctaacaa 180
ttaatgtggt tcgtatctac taattaattt atatataata ataaattaaa ttataagata 240
tgagttgagt tgagttgggc cgagttgaat aaaataaaaac ctgttaccga actcttatnt 300
gatcgggtct taattggtgt gggcatgnt tgacctgaag aacactctaa aaacttaatc 360
caatataatt agatcgnagt gagtcat 387

<210> 14968
<211> 267
<212> DNA
<213> Glycine max

<400> 14968

tcagatatct taagaaagga ggggaatta agatattgca aactatctcc ccaattaaaa 60
ttctatttca ctttctattc aagttacaaa ttcccttaac aatgaactct taaataatga 120
ttcaaataga acaatctgaa tataaatatt aaataataat aaataaaaga ggtcaaggga 180
agagaaagtg caaactcgga tatatactgg ttcggccaca cccttggtgcc tacgtccatt 240
cctcaagccg cttgagagtt cactatc 267

<210> 14969
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14969

gcttatctac ccacacnct ctattaacta tattattctt cttgaaaata attacngata 60
 aaaataacac aacaaatata atcaaacatc aaacataatt actaataata tatagatata 120
 tatcaagggtg ttacaactct cccactcttt tagaaatttc atcctcgaaa tttacgttac 180
 tcaaacaagg atggataagc ttctcgcatc tgactntcta attcccacat gacatcatct 240
 cctgatgac cctccagat caacttgaac aacagaatct cctccctct tagtgcctc 300
 gttggctgct atacccta atctgctagg gaaccatct tcatggcata caacattgc 360
 ttgaccgctt agaggctactt ggcacccatt ngtgcacaat ancgtgaagt ttgaacatgc 420
 cagaaatcaa aaggaagcat tgtacacaat cc 452

<210> 14970
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14970

cctcggatcc ctgtcagata caatactaga aggaattcca tgcaacctta ctacttcctt 60
 gatgtacaac tccactagct tctccattct atacttcata ttcactggga taaaatgagc 120
 agatttggtg agtcgatcta ctatgaccca cacagcatca tgttcacgac tagtcttggg 180
 taaactagat acaaaatcca tagagatgct ctgccatttc cacttcagaa ntttcaatgg 240
 cttcaattct cccgatggc ggtgtgctca acctagcctt ntacatgtaa acatcttgct 300
 acatatcagc tacat 315

<210> 14971
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14971

acaaactcct taaaacttgg taaataaatt aaacgtgaaa ataaaaaata aaaaatcaaa 60
 gctactgatg cacacgttca aacactcctc cttgcatcaa tagggccaaa ttctaagtct 120
 ttctcttaaa tcttcaaact tgctttttgc aagagactnt gtgaatatgn ttgctagttg 180
 atcttcagtt ctgcaatact ctagtctatc tacaccatct ntctgaacat ctctgatgga 240

gagtagtttg atgctaacat gnttggctct gccatgaaaa actagattgg ttgagatagc 300
 tatagccact tgattatcaa ccatgacttt ggtactcatt ntntgctcta agtgcagatc 360
 atttaanann attctcaacc atacagcatt attaacat 398

<210> 14972
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14972

gcttagtgac atccgtgact tgatcttgag ttaagatgtt cgcaagttag atnctttaga 60
 atcttccagt cgtgtttcct attcagcatt gaatactgaa ggcaggggaa ggactaccca 120
 gaagggtcag aatgggtcgag gcctatcata gtcaagaggg aaaggtcaca gaaaatttca 180
 aagtgcagat acttgttga attgtgacaa gagaggtcac tttagcaatc agtgcaaggc 240
 accaaagaag aacaagtcgc acaaaaataa aaagcgcgat gatgatgaat ccgctaatgc 300
 agcaactgat gaactagatg atgcattaat ttgcacgttg gatagtcctg ttgagtcatg 360
 gatcatggac tcangtgcgt cgttccacac tactccctct 400

<210> 14973
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14973

agcttctatc tttcttatct aaaagtatta tttctacctc tagagngttn gaacttttac 60
 atttaaatat ntttggctct tctagaacca tatgcattag agggaaatcac tatgctttga 120
 ttattgtaga tgattgctct agatatatct agactttatt ctatcttctt tgagtaatgc 180
 ttttaaagtc tttcaaaaac ttgccaagct tattcaaaat gaaaaggaat tcaaaattaa 240
 aagtttgaga agtgaccacg gaagagaatt tcaaaatgac tctgaattgt tttgtgaaca 300
 aaatggcatt aatcgtaact tttccgctcc aagaacacca caacataatg g 351

<210> 14974
 <211> 402
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14974

agcttgttcc ctcttgttcc taagggctng gttactgtga aaacagtctt attctgtggc 60
acaagaacca gcttgaatct ccaccacaga ataactccaa agctgcctcc accacctctt 120
cttatagccc aadatagatc ctctctcctg gctttctat caagaacccct ccccttggaa 180
tcaacaattc tagcatctat aacattgtca gcaccaaggc catactttct catcatggaa 240
ccatatgcac ctctgtgat gtgccctcca atccccagg ttgtgcaaag gcctgcaagg 300
aagccatgaa ctgcactctt ctctgaaatc ctgtagtaaa ctccaccaat agtggcaccg 360
gcttggatcc aagccgtgtt tcgcgcaata tcaacattca ct 402

<210> 14975

<211> 456

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14975

gagcgttgga ngttttctgt gccaatagc ttcttctttt tccagncttc ttctggcttc 60
aattcatcag tgggctttcc ttctgtgtcc agcatcttgg gatgctccca gcctttgatg 120
acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccattct tgctttccag 180
tattcatagg tgcttacatc aagaatagggt ggtctgtcct ctggctctcc ttctttctcc 240
atgttcatca caatttatct gccagatct cactctgtga ttacgagtgt ttgctctgat 300
accaattgaa attctgatac cagaggacag atagccgacc cgacgtcacg acatcacgct 360
tcagaacatg cagttgatgt gcgtccgtat gaacagatta nacaagtaat atcacaagag 420
aattgttacc caggtcggag caccttacct acatgt 456

<210> 14976

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14976

agcttatgca gcanatatat actatagacc ttctcaacct cagcagcaaa atcaaccaca 60

gcagagcaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120
 cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttcct tccaaaatgc 180
 tgctggccca agcaaaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
 acagccaata gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc agcaagagac cagagcctnc attcagagct caaccuauca 360
 gatgggacaa ttggctaccc aattgaatca acaacagtcc cagaattctg acaa 414

<210> 14977
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 14977
 agcttatgag atgctggaag agtctaagaa ttttctgaga taaaatcttc taccttagct 60
 tccaacaagc tacgtaattg atatggaata ttacaaagat tcacaacaaa atcactatta 120
 gaaaataatg ttttaacatc agttattaag gactctcaac atcagttatt gacattgaaa 180
 gtaatactgt taacatcggt tttccaaaac cgatgttatc ataaaatgac aacatcggtt 240
 ttttaaataa ccaatgtag atattaagaa ttatataaaa aaaagtcata tatcttcata 300
 tcaacatcgg tgtttaccag aaccgatgtt aacttattca tacaacaatc ggttttaaat 360
 caaaccgatg taatatatac atacaacatt ga 392

<210> 14978
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14978

ctacctcatg ctctcctcta atgactatgg catcatttct ggcaactaaac tgctgngagt 60
 tggaggccat ctctcaatt aaatttctgg ctccagcagg agtcatgtct ccaagggctc 120
 caccactggc agcatctatc atacttctct ccatattact gagtccttca taaaagtatt 180
 ggagaagaag ctgttctgaa atctgatggt gggggcaact ggcacatagt ttcttaaadc 240
 tctcccagta ctcatacaag ctctctccac tgagttgtct aatacctgag atatccttcc 300

taatggctgt ggtcctggaa gcagggaata atttttctaa gaatactctc tta 353

<210> 14979
<211> 147
<212> DNA
<213> Glycine max

<400> 14979

aggggaagctc tcgagttact caaatgacaa tatcttattc tcagagggtc gattcagcgc 60
cttaatatct cgagacgctc gaaaatgaac aacgaatgct ctcgaggaat tcaaattgtc 120
atatcttgct acactgatgt cccattc 147

<210> 14980
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14980

agcttgtagc anatgcaaac ggcaataacg ttttactcgg atgttcgatt gagtcacgta 60
atacatcgaa acgctcgaaa ttgaaaacag aagctctgtg caaattcaaa cgacaatata 120
ttttaactcg gatgtccgat tgagtcccgat aatatatcaa gacactcgaa attgagaata 180
aaagctctga acaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtccag 240
taatatatct agacactcga aattgagaat agaagagctg agcaaattca aacgacaata 300
actttntact cggatgtccg atggagtccc gagcgtctcg atatattatg cgcttaaact 360
ggacatccga gataatagtt atgactatct taat 394

<210> 14981
<211> 297
<212> DNA
<213> Glycine max

<400> 14981

agctattctc tcttatgtcc gatttcggag tatattagat cgagacactc gacattgagc 60
aacgttagct cttgagaaat tgaaatggc ataactctcc acacggatgt ctgactcaga 120
cgcattatat aatctagatg ctcgaaattg aaccactgaa gctctctaga cactcaaata 180
tcataactt ttcactcgtg gggccgaatc ttgcgcatat aatatcagac ggtcgaattt 240

gacctccaat ctgcttgaga aatactaacg ggcctaactc tcctacccgg attatcg 297

<210> 14982
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14982

gcttcagctn tgtccacaag gcttcatggt ttctcgtcca aaatcgctaa ttgaacctcg 60
 gatccctgtc tgatacaata ctagaaggaa ttccatgcaa cttactact tccttgatgt 120
 acaactccac gagttttctcc attctatact tcatattcac cggaataaaa tgagcagatt 180
 tggtagtgct atctactatg acccacacag catcatgccc actgctagtc ttgggtagac 240
 tagatacaaa atccatagat atgctctccc atttccattc cggaatttcc aatggcttca 300
 attctcctga tggctgctgg tgcctaacct tagccctttg acatgtcaaa catcttgcta 360
 catattcagc tacatctttc ttcattgccat gccacaaaaa acttctcttc aaat 414

<210> 14983
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14983

agcttgtaag gtagtcatac ctcacaaaat atatgtatgt gtgttttaggt agcaagatac 60
 cttggatatg catgtatata acanacatac ctcacanaat atatatatgt atgttttaggt 120
 agcaagatac cttggatatg catgtatata gcanaaatat ctcacaaaac atatatatgt 180
 atgttttaggt agcaagatac cttggatatg catgtatata gcanaaatat ctcacaacat 240
 atatatatgt atgttttaggt agcaagatac cttgcacaca catgtatata gcaaaacacc 300
 tcacaaaaat atacatatgt ttaggttagca aatacccttg tggaaagaga aagagatata 360
 aaag 364

<210> 14984
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 14984

aacaacagca gctgctcctt cctccaaatg ctgctggccc aagcaaacca tacattcctn 60
caccaatcca acaacagcaa caaccccaga aacagccaat agttgaggcc cctccacaac 120
cttccctcga agaaactgtg aggcdaatga ctatgcagaa catgcagitt cagcaagaga 180
ccagagcctn cattcagagc ttaaccaatc agatgggaca atlggtacc caaligaatc 240
aacaacagtc ccagaattct gacaagctgc cttctcaagc tgtccaaaat cccaaaaatg 300
tagtgccatt tcat 314

<210> 14985
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14985

gcttctggtg ggacatcttg acttgctntc ttatctgaca ttcaccacaa attctgcctt 60
cttctatctt cagattggga atgcctctaa cagcaccttt gtcaatgatt ntcttcatgc 120
ctcttaagtg cagatgtcca aatctttgat gccatattct gacttcatct tctttggagg 180
atagacatgt ggaggagtaa ctggtttctt gaggtgtcca taggtagcag ntgtcctttg 240
atctgctgcc cttcattaga acttcaactct tctcatttgt caccaaacad tctgactntg 300
tgaagtttac attgaatcct tcatcacaca gctgactgat gctgatcaag tntgcagtca 360
gtcccttcac cagcagtact ttgtccagac taggaagtcc atcatggact agctttccca 420
ttccaatgat ctttccttta gagccatctc caaatgtcac atagcta 467

<210> 14986
<211> 329
<212> DNA
<213> Glycine max

<400> 14986

tgggtatttg acgaattacg gtttatgtgt actcaacttt tttgttttag tgttacttga 60
ccaattaggg tttaggggta tttgacatat tacggtcact tgactaatta cggtttaagg 120
ttatttgaca aattaggggtt acttgactaa ttatgattta tgcgtgtata actaattagg 180

gttatgaata cttgacttat tagggtttag ttttacttga ccaattatgg tttacggtta 240
 ttttacaaca tttggtttat ggctacatga ctaaataagg ttttagcgata tttgatagat 300
 aagggtttag gtttacttga ctagttggg 329

<210> 14987
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14987

caagcttgat ttcctttggt ccgganacct tttttttctt atgtgcaccc aaacccaatc 60
 tccgggttcg aagacaacct tctttctccc tttgttggt tgtttagcat agcttttatt 120
 tttctctta atttgatctt tgactctctc atgaagcttc ttcacatagt ccgcctttgc 180
 ttgaccttct ttatgcttaa naacagatac attaggcata ggcaaaagat caagaggagt 240
 tagtgggtta aaaccatcaa cagcttcaaa aggagaacaa ttagtggtgc tatgaacagc 300
 tctattgtaa gcatattcaa catggggtaa acaagcttcc caagttttta agttcttct 360
 caaaact 367

<210> 14988
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14988

ggatanntaa tgggagcatt tttttttttt ttaaggaaag atggacgacc acttttagtgc 60
 tggttttgcc taacccgaga gaaccatttg aggtgtattg tgatgcatca aagatggggt 120
 taggtggagt gttgatgcag aatggccaag tgggtggccta tgcttctaga caacttaaga 180
 ctcatgagag gaattatccc acccatgata tagagttggc tggctgtagt tttgccctta 240
 agatttggag gcattatctg tttggctcta agttcgaggt gtttagtgat cataagagcc 300
 ttaaataattt gtttagtcag aaggagctga acatgagaca naggagatgt gtttagattc 360
 ttaaggatta tga 373

<210> 14989
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 14989

gtaaacattc aactttgagc gtctcgatat attacgggac tctattatac atccgagtaa 60
 aaagllattg ggglltgaat tggctcagac gtccaaaat caatttctag cgcctctcga 120
 atattctagg actcaatcag acatccgagt aaaaagttat tgtcgctaga attggctgag 180
 aggttcaaca ctcaatttcg agcgtcccgga tatattacgg cactgaattg gacatccgag 240
 tgaaaagtta ttgtcgtttg aatttgcctc gagcttcaac attcaatttc gagcgtctcg 300
 atatattacg ggactcaatc agacatccga gtaaaa 336

<210> 14990
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14990

agctntaagc caattcatac gacaataact ttttactttt atgtctgant gagtcccgta 60
 atatatcgag acgctcaaag ttgaatgttt aatctttaag ccaattcata cgacaataac 120
 tttttactcg gatgtctgat tgagtcccggt aatataacga aacgctcgaa attgaatgtt 180
 taagctttga gccaatctta acgataataa ctttttactc ggatgtccga ttgagtctcg 240
 taatatatcg acacgctcga aattgaatgg tgaagctctg agcctattca aacaacaata 300
 actttttact cggatgtccg attgagtgcg gtaatatatc gggaccgctc gaaatgaatg 360
 ttgaacctct gagccaactc aaacgacaat aactttntac tcggatgtct gattgagtcc 420
 cgtaatatat cgagac 436

<210> 14991
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14991

agcttttaat gaacggaata tctaagncta atcttatatt gcttgtaccg cacgcaaata 60

tttcatgtta tcatatatgg taatatattga tccatatata ttgattttta actacttaat 120
 ttgcagtctg tacaccttac tttagcttat gcatcaacgt tttcccgta atgtataaga 180
 atcacaacaa atgagacaag ggccacttta aagtccaaat agtccaagta agagcttttg 240
 gctaacaaaa agatttttaa tttttttata gtaactatnn accnaaanaa gatgattgca 300
 aaattatata tacaataaaa ttttaattaa aatatataaa taacatctta tcttctctg 360
 atatcgtaaa taacaatgta attataataa gacaataata actttaatca agttatttat 420
 aactaaat 428

<210> 14992
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14992

catccttgct ttccagtatt catagtgggt tccatcaaga attggtgggc tgttcaactgg 60
 tctctcttct ttctccatgt tcatcagaat ttatctccct aggtctcact cagtgatttc 120
 gagtgcctgc tctgatacca attgaaattc tgatatggng gacagatgic gtaccggatg 180
 tcacgacatc acgcttcaga acatgccaga tatat 215

<210> 14993
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 14993

gtacaaatag aatcatcttg atatgactgt tttggaagtt ctcttactag gctatgcttt 60
 tgaagctttg agattaacct ccagctagca tgggtcaaact tcttattcca taccagtaa 120
 tgctctttga ctaaaagtaa gcatgacacc ttttgattgg atagatcacc aagttaatc 180
 ttatagtgat ttccttgtct cttagtagac aagagtaaag agttgtcctt gttttggatg 240
 atacacatat ccttggttaa gttaaagggtg acattgtatc cactatcata caattgactt 300
 atgctcaaca aattatgctt caatccttta acaagtaaaa cattattgat agaaggataa 360
 taaggaatac aaaccttacc tacacctatt attagacctt tctgattccc tctgaaagtg 420

acca

424

<210> 14994
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14994

agcttcttag tctcagatga tgcagctgag tttgtatcta tctcatgcac tctctaatg 60
actatagcat catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120
tttctggctt tagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tcttccataa aaatattgga gaagaagctg ctccgaaatc 240
tgatggtgag ggcaactggc acatagtntt taaatcgctc ccagtactca tacaggctct 300
ctccactgag ttgtctaata cctgagatat ctttctgat ggctgtggtc ctggaagcag 360
ggaaattntt ttctaagaat actctcttaa ggcatccca gctcgtgatg gaccttggag 420
caaggtaata cagctagt 438

<210> 14995
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14995

agcttctca attnttatgg attgatgctc ttatgactat cttcgnatat attaaaccga 60
gttccaacca aggctgtctc aaagacacat tttgagttat tcaagggttg gataccaagt 120
ttgcgacata tacgcgtttg gggatgcccg tctgaagtaa gaatttataa tccacaagag 180
aagaaactag accctaagac tattactggn tatttcattg gatatgctga aatgtctaaa 240
gggtataggt tctattgtcc atcccacaac actaggattg tgaaatcaag gaatgcaaag 300
tttcttgaan atgacttgat cagtgggagt gatcaatttc aaaacatttc ttctgaaagg 360
gatcactatg aagctgaacc ttctgggaca ngtaataggt ngtagtcatt ctcaccctc 420
aagtaaaatg g 431

<210> 14996

<211> 300
 <212> DNA
 <213> Glycine max

<400> 14996

cagttgtacg tgtatattgaa ggagtagaga gggatgcagt gctatgagag gaaagcaaag 60
 taggcattcc aaggggtcatt gacgagcgcg atgggcaagg ggcagtgaal ggcacagaca 120
 aggggttgggg acgcacgaaa ggtgtgttta gaggagatga atttgttttt taataaagggtg 180
 gaaagagggc atctgatggt gttgaagggg tctgtgtgga tgtaaatgtt gaggaggttg 240
 ggaggggtgg aagagaagaa tttgtcccat aagggggaga attatatatc agtgtgggtg 300

<210> 14997
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14997

tctatagaag gttcggctct aattttctcta caattgcgtt tctctcfaat gagctggnga 60
 agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcatag 120
 aaaagcttac taaggcactt gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgagatgc ctctggagag ggagttggag ctgtattggt acaaagtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc aacctcaacta cccacctat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta cctctgttac aaggaatttg 360
 tcattcatag tgatcatcaa tcaacttaagt a 391

<210> 14998
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 14998

tgggggcaaa gaaattttct tcccatcaaa ccctggatgc aactatgac gtatacccat 60
 atcagctaca tcttgacggg tattcaagcc atcctttgtc ttgccttgaa tgtaaggaa 120
 cgtcccaatg aactatcac agacattttt ctccacatgc ataacatcaa tacaatgtct 180
 aacgtcaaga tcacaccagt acggaagatc aaagaaaatg gacctcttct tccatatgca 240

actttgactt ttatccttct tttgggtctt cccaaataca gtattcatgt gttcaacccg 300
ctgatatacc tac 313

<210> 14999
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14999

tagtgcaggg tttaanaaat ccccttatgc tctgctctgg gatggcgcaa atcatatagt 60
ctcaaatccc aaacttccac aagataacat gcctttcaac cgttgctgct attacctctt 120
tttgttatgc attaatgga agcgggcttt ctctggcaag agttgtatca cgtatgagct 180
tcacctatat ctttccaaaa gctgtccatc attcattcca gaaaatatat gctacatttt 240
tttatcagca aatgtagtt tgtagaatg ttaattttgt tagcagaggg attgaacatg 300
taacctttct tctttttcct tctcctttaa ccatccagcc cactatatat ctgttacaat 360
tttatactag atatttccta agtcacttca ttagctta 398

<210> 15000
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15000

agctnntatc tttagatctt taagtgcaga ttttcatgan tatgatagat ctcacccagc 60
gcaagttggt gcagcccaga tacgcacact gctatataaa catgaaggct gcacgagttt 120
tctaccaagt ccgggattga agagtatttt tgtgagtttt gggacttgag tgttttgtga 180
gccaccttga tgttacccta acatcaagtg ttggacctga gtgtgtagag ttgatctcta 240
atgttcagag agcaatctct ggtgtgtctt tgatttaatt gtaaaccacg gagagtgatt 300
gagagggagt gagagggggt ctcatatc 328

<210> 15001
<211> 446
<212> DNA
<213> Glycine max

<400> 15001

ctcagcttta ggccttggat cttcttcac c aatggagacc tttgcttcct gaatatctat 60
ggaagcagaa tggagaagga agaaagatga ttggagacgc cacttcaagg agaagatgag 120
tcaaaaagaa gctcaccacc ataggaagcc atggataaga gcttgaaggt aggagaagat 180
gagtggagg agagggagac aaattctatg cctcaaaagc ggtttgaaat tggagttta 240
attctcaaat gatcaaagtt gaaaaaatgc acacacgtgt cctctattta tagcctaagt 300
gtcacacaaa attggaggaa aatttgaatt tttattcaaa tttcacttga atttgaaatt 360
gaatttgtgg agccaaaatt tcactaatta tgattaggga attttagcta tgggtcaccc 420
cactaatcca ggatcaagtc taagat 446

<210> 15002

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15002

gggaacaaga atctaaacct tggtcttagt gaactgactc aattcttcct ccattgttgn 60
gaccaagaa tcttcactca atgcttcatt aatgttttta ggctcaatgg atgagagaag 120
atccatcatt cctctttttt tattcaagga tgcctcttgt ttgactccag aagatgtttc 180
tccaatgatt agatttggag gatgtgaata gacaaacctc atatctctag gcatgttagc 240
ttctattttt tgtccaaagc tttgtctttc tgaactctcc ctttttgagc tatcttgtaa 300
agatcttctt aattnttctt tgggccatct angtacgtg tagtgttctg agtatgcctg 360
atgatcctta ttcttttcta gttctttctaa atctgcaatc cttctcttct caagtgtact 420
atca 424

<210> 15003

<211> 421

<212> DNA

<213> Glycine max

<400> 15003

ctcagcttcc agaataagat cagattcaga ctcagattat tattcagaga agattaatta 60

agataagtat aaaaaagttt tttcaaaaac tgagtagcac atggattttt ctcaaaacca 120
 ttttaccaaa gagtttttac tctctagtaa tgcattacta gattattgta atcgattacc 180
 agtagtaaaa tggatttgaa aaagtttaca acgttccaat tgatttcaaa atgttgtaat 240
 cgattacaat gttttggtaa tgcattacca gtgtgcttga atgttgaaat tcaaattcaa 300
 atgtgaayag tcaatccctt tcaaaaaaaa gctttaaata atcgattaca ctgattcggg 360
 atcgattac cagtgatagt tctgaacaa atcaaaagat gtaactcttc aaatagtttt 420
 t 421

<210> 15004
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15004

agcttatatt atataataac aaanaatgaa atttatatca ttatttacct tcatcatctg 60
 aaaccatntc attcattaca ttagcacatt cagcaacaac tttatagctt gtagaaccta 120
 taaaaataca ttactagtat tagttcttga ataaacacaa atatcaattt aacaacatat 180
 atgaataaaa ctttaccctt attttcagca ctccacaaca aacttctagc gcacattaaa 240
 gcctctaaag tagtccattg aagtctacta cgatgtgggc ttaataacttg accaccagtg 300
 ctaaatgcag attctgaagc tacggtagat actggaatag ctaatatatc cttagcaatt 360
 gcttgaagtg gtggatactt gacaccatta aacttccacc acatcanaat atcaaagtca 420
 acagctcttg gaaaacatct tcttctaata gtagctaact ctgattaaca t 471

<210> 15005
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15005

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 atatcaaata gncataacta ttcacacgga tgtccgattc gggcgcataa tatgtcgaga 120
 ggatcgaaat tgaacaacgg aagctcttga gaaattcaac tggcttaacc tttcacacgg 180

atggtcgaat caggcgcaat acatatcgag accctctaaa attaacaacc gaagctcttg 240
 agaaattcaa atggtcataa catttcactc gaatgtccca tttcggcgca tcacatatag 300
 agacactcga aaatgaacaa cggaaactct cgtgaaattc aaatggtcac aacttttcac 360
 actgaagtcc cat 373

<210> 15006
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 15006

ggtgcattca ataccctgat gaggatgtcc catatgttct tataactaga ctgatacact 60
 tgttgtccaa gtttcatggt ttgacaggtg aagaccctca taagcatcta aaagaattcc 120
 atattgtctg ctccaccatg aaacctccag acgtccaaga aggtcacatc tttctgaaag 180
 cctttcctca ttctttatag ggagtggcaa aggactggct atattacctt gctctaaggt 240
 ccatcacgag ctgggatgac ctcaaaagag tattcttaga ataaattttc cctgcctcca 300
 ggaccacgac catcagaaag gatatttcag gcattacgca acttagtgga gagagcttat 360
 atgaatactg ggagagattt aaaaaactat gcgccagttg ccttcaccac cagatttctg 420
 agcagcttct 430

<210> 15007
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 15007

cttccatggc ttattcccta atggatgaca cttcctctca cctcttgtcc ttgtctttc 60
 gctgcatctc catggtggga aatcaccatt gaaggacctc attgaagctc aaagatccat 120
 ccttcataaa agctccacaa gcaagcttac atcatatggt atagcaaac aaagaaattg 180
 aactcttaag gatatggtga gaagaatgat tagtcattct tctttgccag agtcactttg 240
 gggagaagcc ttaaagaccg cattttacat ccttaatagt gtgctaggta aagcagctaa 300
 caaacaccct tatgaacttt ggactg 326

<210> 15008

<211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15008

tctctttgat gaaatgtcta tcaatctcca catgctttgt tcaatcatgt tggacaggat 60
 tgtgaaCaA tgccttgggc gacatctgt cactgtaca acatcatagt ccatctgggt 120
 taaaacccaa atctgatagt acatttttaa cccacaaaag ttcacataca tcgagtgtca 180
 tgcctatgaa ttctgcttca gcaactagatc ttgttactac ggtctgtttt ttattcctcc 240
 aagttacaag atttcctcct acaaaagtaa agtatccaga ggtagatcct ctatcatcct 300
 ttgaacctgc ctaatctgca tccgtgtacc cttctacctt caagtttcca tgatttgaga 360
 acaaaattcc tttntcagga gtggacttca aatatctcan aattctctcg actgcatcca 420
 tatgaagc 428

<210> 15009
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 15009

ttatagcaat tcagatggtc ataacgtctc actcggattt cggattcaag cgcataatat 60
 atcgagacgc tcgaaattga ataattggaag ctattgagca attccaatgg tcataacttt 120
 taactcggaa gtccgattga ggcacataat atattgagac gctcgaatt gaacaacgga 180
 agctctcgag aaattcaaat ggtcataact tttaactcgg aggtcggatt gagacgcata 240
 atatattctag acgctcgaaa ttgaacaatg gaagctcttg agcaattcca aaggccataa 300
 cttttaactc ggaggtacga ttcaggcgca taatatctct atacgttcga aattgaacaa 360
 cggaagctct cgagcaactc taatgtgcat aacttttcac tcggaggt 408

<210> 15010
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 15010

agcttctgtt ttcaattacg agcgtctcca tatattattg gcctcaatcc gacatcggag 60

taaaaagtta ttgtcgtag aatttgcctca gagcttctgt tctgaatttt gagagtctcg 120
 atatactacg gaacacaatc ggacatctca gtaaaaagtt attgtcgctt gaatttgctc 180
 agagcttctg ttcttaatta cgagagtctc gatataattac gggattcatt cggacatcca 240
 agtaaaaagt tattgccgtt tgaatttgcct caaagcattc gttgtcaatt acgagcgtct 300
 agatatatta cgggattcat cggacatcc gagtaaaaag ttatcgtctt cttatcttgc 360
 tcagagcttc tgtttcaatc tcgagcatct tgatatatta caggact 407

<210> 15011
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15011

agctnttacg atggcgctac tcttcttctt ttattgtgag agaagccac actatgctac 60
 aaacactatc aaagaagatc aaatagagat acatgatata aatggaagaa gtgaaataga 120
 tagattaaat ggagaattct atagacaata tgtactggac ggttacattt tgtttgttta 180
 ttgttcatag tgtagtttcc ttcaccttcc tggcctttac attgttgcct agtttagttt 240
 gtctgtgata gcctgattgt aaataatatt gtttttaact tcttggctgt caggatttcc 300
 aatccttga gttgagtggc agaagatgga aaatcctgat ttacgaatgt caatgggcat 360
 gggaccagat caaaaagggtg tgcgtatcag aagaattgaa cccactgctc cagaatctca 420
 tgttctgaag ccatctgatg taattc 446

<210> 15012
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15012

tggcattgat agagtacaaa tattatgaaa ccgacggatt ggcagatgct tcaactaaaa 60
 ctaaaacttt ggagtatctg attagagctg atgctagtaa agtgaacaac tttaggattc 120
 tggaggagga gggcatgcat atgtcgacca acacgaggat gaaagcttca aatttgctta 180
 tgcaactgat ctcatgtggc tcaatattag tgaaaaacca tagttttggc cttattcctt 240

cctataagcc catgttttat agttcaaaat gtcctttctt ttgtgttggg ggagtttgat 300
 tgcttattga ttgagcattt gtagtttaat atttttctat tctttctatc tcaattgaca 360
 tctctttgac tgttattttt tcaccttaac t 391

<210> 15013
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15013

agcttcaaga aacattttca ctgttgttgt ttatcttaac ttcactagtt agctctgcta 60
 cacataatgg ctngtctagt gcaattactg ctgctagtaa aagtcctaag gtagtttcta 120
 attctgtaat ttcacccct agcaatgtta gcttgtggca tgctaggctg ggtcaccta 180
 atagcccatg tcatgaagct agtcaatcat tgtaacattt cctcatctaa taaaaatttc 240
 cagacttttg ctctcatgc tatatgggaa attctcacag atttcttct cactctttta 300
 tttttgtata ctctccttg gagctttttt ttatagactt gtgggggcct tctcatttaa 360
 tttcctatgc tggtttcaa tactatgtca tttattgatg tttttccag atacacttgt 420
 gtatttccta ataaaaacta aa 442

<210> 15014
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 15014

aactagctct tgagaaactt cttggaagca gagcttattt ctctattccc tctcataact 60
 aagctcacct ccttgagaag cttccataag aagattccta aagaagctag agcttagcta 120
 cacacacctc tctaatagct aagttcacct ccttgagatg agaagctaga gcttagctac 180
 atacctctta taatagctaa actcacccat atggccaaaa acatgaaaat acaaaaaaag 240
 gtccactact aaagactact caaatgctc tgaaatacaa ggctaaaacc ctatactact 300
 agaatggcca aaatacaagg cccaaacgaa ggaaaaacct attctaatat ttacaaagat 360
 aagcgggctc atacatagcc catgggctcg aaatctaccc taaggctcat gagaacccta 420

gggccttccc ttggatc

437

<210> 15015
<211> 311
<212> DNA
<213> Glycine max

<400> 15015

acacggaatgt tegattatgg cgaatcacat atcgagacgc taaaaatgga acagcggaag 60
ctctcgagaa attcaaaggt cataacctct aacactgagt tccgattcac gatcataata 120
tataccgacg ctcgaaatta cacattggag ggtctcgaga aaataaattg gtaaatactt 180
tcacaccgat gtccgattcg ggcgtataat atgtcgacac gtcctcaaatt gaacaacaga 240
agctctcgag atattccaat gcgcataact tctcacacgg atctccaatt caggtgcatc 300
gcatatcgag a 311

<210> 15016
<211> 197
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15016

ctatatatat gtgacttgag acacgaattt gctaaaaagt tttcagaaca aaaagggtt 60
atcctcttaa aaagcaaaat cgttttatcc tcttaccaat tcttggcca aacacttggt 120
attcaataag gaattatttg agtgctcana ttgttcaatc tatctctttc aagagagatt 180
tcttcttctc ttcttct 197

<210> 15017
<211> 217
<212> DNA
<213> Glycine max

<400> 15017

tcatgaaact cagctccaaa ctcgaacgcg gaggacacat gaacagccct cagcaagaac 60
attcatgtgg ctccagaata ggatgagaat ggaggattgg cttgagggtc ctctcttagg 120
caatcatgaa acacagcttc aactcaaaa gtggaggaca catgaacagc cctaagcata 180
acattcatgt ggctccggaa aggatgagaa tggagga 217

<210> 15018
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15018

catatatcga gacgctcgaa attgaatggt gaagctctga gccattcaac gacataactt 60
 ttactcggat gtctggatga gtcccgtaat atatcgagac cctccaaatt gaatgtgaag 120
 ctctgagcca attcaaacga caataacggt ttactcggat gtctgattga gttccgcaat 180
 atatcgagaa ccttcgaaat gaatgttgaa gctccgagcc aattcaaacg aacaataact 240
 nttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgggtga 300
 acctctgagc ctaatcaaac gacaataact atttactcgg atgtctgatt gagtcccgtc 360
 atatatcgag aacctcgaaa ttga 384

<210> 15019
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15019

tcattaataa acacatcaaa cttcacaggt gtgtttctct caaactcaat cccttcaatc 60
 accaaaacct cttctctctc ttctttctcc ttctgtctcc tgcacttggt tggcctttta 120
 accattgtgc tcacaactga atccaacact agtgggaact tcacattcct tgaagtctca 180
 gcagcacgtg ctgcaccaac caccaaaatt tgtgctagtg caaccttatg aaccctagac 240
 cttgcgggtg tgggcctaga gtttaaccat ggaatgtcta catcttggtg aacatacact 300
 agttntctct cgtcaagaca aatcttacc ttactcgac aaagttctta ttctcatcgt 360
 agaagagaaa cccagattta accaatccga gtcagtaa 398

<210> 15020
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15020

tacccgctaa cctagtggat ggaggggttg gctacatgca tgaaaaatta ngttaaatct 60
tcattgttct cattgtaata aaaaaagaaa ataaaaatgt gtttttttgt caaaactgag 120
gtggaataaa gatgaatfff tttcatgttt attcttgtca tctgtttaga agagtaaata 180
gtatatgaaa caatagttat taactaacta taactattaa gtttgttaac tttaataata 240
attatattat aagaaagtgt aaaaaataatt tctaattggc tgatagtata acattttttt 300
acactaacat tatataccta ttaaaactctt tntaaaaatt acaaatgatt ntttaaaaaa 360
aagtataatt ttataattaa ntatgatatt ctaatttgat atgttattta aagatata 418

<210> 15021

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15021

accctgatga ggatgtccca tatgtttctta atttttttct gattcattgc ttccaaagnt 60
tcatggcctt gcangtgaag acccacacaa acatttgaaa gaaattcaca ttgtctgctc 120
caccatgaaa cccccagatg tccaagagga tcacatattt ctgaaggctt ttcctcattc 180
attagaggga gtggcaaagg actggctgta ttaccttgct ccaaggtcca tcacgagctg 240
ggatgacctt aagagagtat tcttagaaaa tnttttcctt gcttccagga ccacaaccat 300
cangaaggat atctcaggta ttagacaact cagtggagag agcctgaatg agtactgnga 360
gagaattaag aaactatgtg ccagttgccc ccaccatcag atttcagaac agcttattct 420
ccaatatntt tatgaaggaa ctcaagtatat ggagagaagt atgataga 468

<210> 15022

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15022

ttttcttttn tgataatatg attggacatg cttgtgagtt cttcgttttc cttctctctc 60
tttgataatt tgattgatgt gtgagcaatg atggtttaga ggggagaaga agtgtctgaa 120

ttctgagcta tggcatgcat gcacgggccc catggtgtcc ctaccaactg cagggactca 180
 tgtnggttac ttccctcaag gtcataatga gcanngtttt tgttanttgg gtttactacc 240
 tactctactc t 251

<210> 15023
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15023

gctcgtctcc tgaacgcttg agagggtgat gtccaatggt taccctcnnt atgtcctcaa 60
 ctngntngtt aaatgctctg gacgggtcgg accctgcctg acanattcac atacccggnn 120
 tgtatcaagg cttgtggtga ctngtctttg attgatgtgg gcgttgaat tcatgggcag 180
 acctttnaag ttggctatga ttccgacaca ttngttcaaa acactntggt ggcaatgtat 240
 atgaatgccg gngagaagga agcagcacia ctggttnttg acttgatgct ggaacggact 300
 gtgatttctt ggaataccat gattaacggg tacttttggg ataactgtgt agaagatgca 360
 gtaaagggtt atggtagaat gatggatgtg 390

<210> 15024
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15024

gactaattgt cttcacattt gattattgct tattatnaaa nanggnngca tcagcgnagt 60
 ggaatatgtt gactggctct ttgttttttc ccacgaggaa actgctaaat aagctcttat 120
 caatgcttct ctcattanac cgcgtaggcc ttctgaaaca atatngaata gtaaaggcgt 180
 taggtggctg ccttgtctaa ggctctttg tggaatgaat ntatttgtgg ggctgccatt 240
 taccaataca gaaaccgagg ctgagctaag acaacctca atccaacaaa tccacttggg 300
 gcagaagcct aatctcctca gcatatatga taggaaaccc cagcagacgg agttgtatgc 360
 tctttcatag tctactntga acaccaagca tggcttatga cgcctctntg cttcctccac 420
 cgcttcgatg gctatcaata cact 444

<210> 15025
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15025

tccatctat acatctctt latcttntca ggalctgata acctcttato agacgttagc 60
 tcatcattga atttaacatg gatggattct tctacaacta aagttcttgt actaaaaact 120
 tatatgcttt agatgtatta gataaaccaa gaanaatccc ttttgtcact ttggaatcaa 180
 acttagcang ttgatcttta gtgttcatga taaagcactc acatccaaat ggatgagaag 240
 tatgaaatat gggctctctt cctctctatg gttcataggg agactntnnt atcaatgggc 300
 tgatcaatat tctattctaa acatagcang ttgtatttac tacttctgct caaaagtact 360
 tatgaagtga attntcatat agcatgggtc tagccatctc ttgcagagnt ctattttcct 420
 atttaactacc ccatt 435

<210> 15026
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15026

ttaaaagaac aacatataca ttntttgttg ttttaaggga ataaaaattg taattaaact 60
 agagaatttt ttattaaatg tgtcactatg acaatgataa atcgattcaa cttaatgtgg 120
 actaaaaaac ataatcaaat aaatcaaaaa ttgagaaatc ataaattttt attagattat 180
 atcngaattt agatttgaat ttaaaaattg attcaatccc gtcaaaattg aatatanttt 240
 tattcataaa tntataatgg ccctcatatg tttattttta ttntctatat actttgaaaa 300
 ttatcatata aattatacct atgaaaaata catttgatta aagaactttt ttaactacct 360
 atttgaatta agatggataa atatattatt agttatacag tgatatataa atgaaatatt 420
 tgataacata aatgagtctt attatatata tatatatata tatatat 467

<210> 15027
 <211> 463
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15027

tgttaaccca tggaagctcc taatatctcc cacactctgt ggtgtggggc attcttggat 60
ggccttgatt nctcagggg ccacttggac cccatttcta acaactacaa accataagaa 120
aacatattta tctacacaaa aagtaacatt ccttatattt gcataaaggg tgccttctct 150
aaggactgaa atatcatcaa aataagcaac tacaaatcta cctatgaaat ccttaagac 240
atgatgcata agcctcataa aggtgcttgg tgcattagtg agcccaaaag acatcactag 300
ccattcatac aaaccaaact tgggtcttgaa agtgggtttc cactcatcac cctttntctt 360
cctgatttgg tgataccac ttttaagatc aattnttgaa aagatattgg caccatgcaa 420
ctcatcaagc aaatcatcaa gtctaggaat gagatgccta tac 463

<210> 15028

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15028

taactgggtt gttaaagac atatctaaat ctaaatacatt ttgtgataac aagatttgtc 60
ttanaccagt tcaatcatat gcatcaaagt ataaaaactt tcataaaaca aaaaaatggc 120
tttgtggatg aaaagctgga aataacattc tgagtacaac attatgacaa aaaacattct 180
tagtattgca tttgcataac ataaactgag attttcataa taacaatatt ctgataaatt 240
tttttattta aataatgaac atcaaaacat aagaaaatgt gcattgacat taggttctca 300
taatcatatc aaacatttca taatgagttt tgtgactaac caagtagaga gtttagttat 360
ctaagtgttt gaacctctat gttaagactc tttgcatacc anaataatct tgagtaaaag 420
ttcaaaaaag gtaaagtttc aagaaagggt aacanagtca caataacccc tcattc 476

<210> 15029

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15029

atgtctaagt gaaagaataa tgattggcga actctctctt accaccaaac acctcattaa 60
 tgtctattat ttttctctgt ctctctcttg tcattataga tcatatcact tatcatactt 120
 acacgtttct ttatttctct cactagttgt caattgtcaa ataggttatt agtgtccacc 180
 aaaatTTTTT gctgagtgaa attacttgaa tggctaacct ccatttcagc atcatcaaga 240
 tttccaacag tcaactnctg aatgtcaacc aggaatggat catccagaga gctatgtttt 300
 gatgagggat catcaagatc ttttccccga acaatatcaa gaataatagc acaatcagtt 360
 gcagatctac agaaaggacc aagcttatcc tagtagaaaag aatacatgta agtntaacat 420
 tcacagcatc ctacanataa caagggatga tat 453

<210> 15030
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15030

cttggagttt ccaagtgcc aatcgtcttc ttcttttagtc cagtcttctt ctggcttcaa 60
 ttcatcagtg ggctttcctt ctgtgtccag catcttgnga tgttcccagc ctttgatgac 120
 agctttccag gttctgctat ccagtgattt gagaaaggcc accattcttg ctttccagta 180
 ttcatagttg gttccatcaa gaattggtgg tctgttcaact ggtcctcctt ctttctccat 240
 gttcatcaga atttatctcc ctagatctca ctctgtgatt tcgagtgttg gctctgatac 300
 caattgaaat tctgatactg nngacagatg tcgtaccgga tgtcacgaca tcacgcttca 360
 gaacat 366

<210> 15031
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15031

tgttcttaag canaagctaa ctaatgcccc catacttctt gatataattgt tcgcctgaat 60
 cggactttcg tttgaaaagt tatgaccatt tgaatntctc cagagcttct gttgttcaat 120
 ttcgagcatc tcaatatatt atgcacctga atcggacctc cgtgtgacaa gttatgacca 180

tttgaatttc tcaagagcat tcgttgttca atttcgagcg tctcgatata ttatgcggct 240
gaatcggaca tccgtgtgac aagttatgac catttgaatt tctcaagagc attcgttgtt 300
caatttcgag cgtctcgata tattatgcgc ctaaactcga gctccgtgtt acaagttatg 360
accatttgaa tatctcgaga gcaattcgtt gtcaattaca agcgtatcga tatattatgc 420
ggctgaatcg gaca 434

<210> 15032
<211> 342
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15032

ttcacacgac aataactctt gactcggatg tctgnattgt tgtcctcgta atatatcgag 60
acagctcgta tattggaaac cagaagcctc tgagcacaan tcaaaacgac acataacttt 120
ttacatcgga tgtcccgatt gaatcccgta atatatcgag acgctattaa ttgaaaatag 180
aagctctgag caaattcaaa cggcaataac ttttaactcg ggtgtccgat tgtgtctcgt 240
aatatatcga gacgctcgaa attgaaaact gaagctctga gaaaaatcga acgacaataa 300
ctttttactc ggatgtccga ttgagtcccg taatatatcg ag 342

<210> 15033
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15033

tcaagaaaaa gatggcctca gcanactcct tatttccaga agggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccact actggaaaac tcgaatgcaa atttttattg 120
aggcaataga cctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt tacaatagat ggcagttcat caagtgaag tataacaata gaaaaaccta 240
tagatagatg gtctgaagag gatagaaaac gagtacaata caatttaaaa gccaaaaaca 300
taataacatc tgccctgaga atggatgaat atttcanggt ttcaaaatgt aagagtgtca 360
aggaaatgtg ggacactctt cgattaacaa atgaaggaac tacagatgtg taaagatcta 420

ngataaatgc actaactcat gaggatgaac ta

452

<210> 15034

<211> 498

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15034

agcttactat atttaagacg ctcgaaattg aataacggaa gctctcngtg aaatcttata 60
gtcatatcat ttcagacgga tgtctgattc aggcgcagaa tatatcgata cgctcgaaat 120
tgaacaacgg aagctctcga gaaattcaaa tgggtataac ttctcacacg gatgtacaat 180
tcaaggacat aatatatcta gacgctcgta attgaacaat agaagctctc gagaaagtca 240
catgggttata acttttcacc cggatgaccg attcggggac ataatatatc gagacacttg 300
aaattgaaca gcggaagctc tcgacaaatt caaatgggtca tcactttcca caagaatgtc 360
cgattcacgg gcataatata tcgagacgct cganatngaa caacggaagc tctcgagaaa 420
ttcanatggg cataacttat catacggatg tccgattcgg gccataatat atcgagatgc 480
tcgaaattga acaacgga 498

<210> 15035

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15035

taatttctct caattgcatc ttctctcaat gagctagtga agaagaatgt ggcatttacc 60
tanggtgaaa aacaaaaaca agcctttgct ttgctcaaag aaaagcttac taaggcactt 120
gttctagctc ttcttgactt ttctaaaact tttgagctan aatgtgatgc ctttgagatg 180
ggagttggag ctgtattggt acaaggtggg caccttattg cttatnttag tgaaaaactt 240
catagtgcc cctcaacta cctcacctat gataaagagc tttatgcctt aataagagcc 300
ctccaaactt aggaacatta ccttgtttcc aagggaattg tcattcatag tgatcatcaa 360
tcacttaagt a 371

<210> 15036
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 15036

cttttcaccc ggatgtccga tccggggcgca taatatgtct agagtctcta aattgaacaa 60
 cggaagctct tgagaaattc aaatgggtat aacttttccc aggaatgccc gaacacagct 120
 aatcacatat cgagacgctc agaattgaac aacggaagct cttgagaaat tcaaattggtc 180
 ataactcttc acacggatgt ccaatttagg cgcaccacat atagt 225

<210> 15037
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15037

tatgcatcat gtgcactata tgatttgtgt gttggaagat aaatntaatc gaagtacgag 60
 aagctcaatc caattaaatt ttagaccagc ctaaggggga ggtgagcatt tgcttaccac 120
 cccccattgt catatcatat agacacacct tgaacatgtn cttctatgtt tacatgcctt 180
 atgacaccta agcacactta agggagaatc ttggatttga tcttggaagg gggctgaacc 240
 atatctaata ttactaatc ataattagtg aaattctgac tccaaatttg gcttcaca 298

<210> 15038
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15038

atatccacat attcattctg ataacctccc atagataaaa acttactaat aagatagatt 60
 tattggaata agaataaaaa aatagtattg gaagggaaaa agttactgac tcatgaatgt 120
 atatgattaa aattcttata caaccagata catcgaaata agtttcatag aagcccttct 180
 aaaaattctc taagacctaa ttaggtattt aaatataaaa tgtaaattat aatggttcta 240
 tggattatta attagtataa atatactatt cgggggttaat ntaaatacta ttaaaagtat 300
 attcatttaa caatacaaca tatt 324

<210> 15039
 <211> 350
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15039

atcctctgag tcacctgcgg ctgcagctgc tctactatat agattagaag tctgggtgat 60
 atgtatatct attgaagatg tacattgcta cttaaagaaa gtcctctaag accacaccac 120
 atgccctgac tctcatttgg tgatcatgact tctatctcaa acctctccac caataattct 180
 agtaaccaat taatggtttc ttacctatcc ttctatctat ttattttcaa aaatctcaag 240
 agttctctta taccactcgc ttcttatatc aataccacaa cgggtatttg tntacttggt 300
 attatagagg cattattgca gcaaatcâag cattttcaaa agctaâtgat 350

<210> 15040
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15040

ctataccaat cttatntaga gaacatagca caacctagat tggactaaca aatcttatcc 60
 tcaaagataa atacaattat gctttagtca gcggtatttt ggaagatcac aaacttcatt 120
 ttaacaaact tgaaagggtt ttaattattc taaagcagca gatgcacggg gtggaggatc 180
 aacaagaaat atatcaagaa gctgggtcaat ggatgttgta atataatcan gatatagctg 240
 tgaagctcaa ggtcatcttc ctctatctcg aacctcacga ggcccncttt aacaaatata 300
 ctatgaagga tggaaactgg aatattgtgt ggagagggtg acgctgcagc atcatgaata 360
 aataattacc attaggaaag accaaatata cccatcatct gtatactaca tccattatta 420
 tatat 425

<210> 15041
 <211> 374
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 15041

agctngaaan ngaatctgaa gttctattaa atgtcanacg acaatgacgt ttgactcgga 60
tgttcgatat agtatcgtaa tatatcgaga cgctcgtaat tgaaaacaga agctctgagc 120
aaatttaaac gacaataaca ttgactcgg atgtccgatt gtgtcccata ggatatcgag 180
acgcacgtaa ttgaaaacyg aagctcagag aaaaaacaaa cgaacaatac ttgaaacacg 240
gatgtccgat tgagccttgt aatatatcga gacgcttgta attgtaaacy gaagttctaa 300
gaaaagtcac acgacaataa cttttgactc ggatgtccga tngagtcctg taatatattg 360
agacgctcgt aatt 374

<210> 15042

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15042

agctngcagt gaagcagcca agacatggat gactttgagt ttttttgttt ttaaaaaaag 60
aacatntttt taatacttta ttgggggggg ttatttcttg tgtttttagtt acatggtaga 120
gttggtagat agtactgcat ctatgtgtta ttggaagcta attgaaacta attgaggatg 180
tgattgtaat gttattgcag aatccggcac cgaagagagg tgagattgtg agacagattg 240
gtgaagcatt gagggccaag ttggatcctt tgggtagact ggtgtctctt gagatgggaa 300
aaattctccc agaaggaatt ggggaagttc aggtatcaca attataactg ttctgcaact 360
ctttttgaca tattatcagg ttgacagca tagaaatcag agtttaattg tgtataatac 420
tataacactt ctttgatgga aactaaatca a 451

<210> 15043

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15043

tgctttgctc aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa 60
aacttttgag ctagaatgtg atacctctgg agtgggaagt ggagctgtat tgtacaaagt 120

gggcacccta cngcttattn tagtgaaaaa cttcatagtg ccaccctcaa ctaccccacc 180
 tatgataaag agctntatgc ctttaataaga gccctncaaa cttgngaaca ttnaccttgt 240
 tccaaggaag ttgtcattca tagtgatcat caatcactta ag 282

<210> 15044
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15044

cctctacttt tctgaatggt tccaagatct ctttctctgc ctcttccatt ntttttggtg 60
 gaaactgctc ttggagggaa tggaagagga aggatgtgct gcttctgcaa atcagaatta 120
 ccagtgggaag attcacctgc acagaaatgg ttanggtaaa ttttgtcatt acctttntct 180
 gggtttagagt gaagttggac aggttcattt gcagatgagg aagggtgctac gggttgaggt 240
 ccttgacact gctttcccgga cctcaatgaa atggcactga ca 282

<210> 15045
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15045

agtcacctgc ggcattgcaag cttctagagg ttgngcttat ctaccccatt tccnacagtg 60
 cttatgtaag cctagtccag gtggtaccaa ataaaggggg tatggcaatc attcggaatg 120
 acaagaatga cctaattcca acgaagacta tcactngtgt tggagaaaaa tatgctgcaa 180
 ttacnecgaa agctcacatt gaagccacaa gggaaaagat cttttttcct ttgacctttc 240
 atggaccana tggtggagag gcttgcgagg caagcttatt actacttctt ggatggatat 300
 tctggataca ttcagattgc tgtggacccc aaggatcaag agaagacaac cttcacatgc 360
 ccttttagtg tcttttctta cagatggatg ccatttcggt tatgtaatgc acctaccaca 420
 tttc 424

<210> 15046
 <211> 254
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15046

gcttcntgtt tcaatttcga gcgtctcgat atattacggg tctcaatcgg atattggagn 60
taaaagttct tctgggtttgc aattgctacg agcttctgtt ttcaatttcg agcatctcga 120
tatattcagg gactcaatcg gacattcgag taataattta ttgtccttcg aatttgctaa 180
aagcctctgt tctgaatttt gagcgtctcg aaataacttca agacttaatt ggacatccga 240
gaaaaagttt ttat 254

<210> 15047

<211> 383

<212> DNA

<213> Glycine max

<400> 15047

gattgctggct cgtaatatat cgagacgctc tacattgtaa acggatgctc gtagcaaattg 60
caaaccgcaa taactcttaa ctccgatgta tgattgagta ccataataga tcgagacgct 120
cgaaattgaa aaaagaagtt ctgagcaaat tcaaacgact ataacttttt actcggatgt 180
ctgattgagt tccgtaatat attgaggagc acgatattga gaacagaagc tctgaccata 240
atcaaaccaa aataacttta tactcggatt tgcgattgag tcccgtata tatgaagacg 300
ctctcaattg aaaacagaag ctcttgaaca attataacga cagttacctt taccgatgt 360
ccgattgagt cccgaatata tca 383

<210> 15048

<211> 203

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15048

tcccctaatt tcatttggtc agagatcata gatttgtgct tggatcgcat ccgaaaactc 60
gcagacaact gcactagtct ccagactcac ttncctaagg gttgatggca ctatcaatgt 120
agatattact gagttccaca ccaaccttgt gccatacccc agggccact tcattcattc 180
ttgtatact tcagttatct cta 203

<210> 15049
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15049

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agcttatcat ggtagatggt gatcatgcta agttttttaga caaaatcatg aaatttgggt 60
ggtgccaatg ctttgggtgag aaaatctgcc acttgatcac ttgttgaaac tggtagtagc 120
tntagagtgc ctttcaaaag cttctctcgc acaagatggc aatcaatttc caagtgtttt 180
gtgcgttcgt gaaaaaccgg atttgaggca atgtggactg cgctttggtt gtcacagtaa 240
agagttggag ttctggtaag ctgaactctc anactctgcaa aaagatacaa cagccattgc 300
aactcacaag cagctgaaga cagagccctg tactctgctt ctgaagatga tctggacaca 360
gttgcttgct ttttagcacg ccatgacact aaaatttgcc tatgaagaaa aatatccaga 420
tatggatttt tagaat 436
```

<210> 15050
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15050

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agcttataat atatttatta cgctcgaaat taaactatca gaagctcttc tatattattc 60
aaatggggca taacttttca ncctcgaatg tctcgattat ggcgacatca ccatatcgta 120
gacgcttcan naaattgaac cagtcggaag ccctttgaga gaattctaata gggatcatata 180
cttttaacat cggatgtctc gattcagggc gcatcacatn atcgagacgc tcgaaaagga 240
acaacggaag ctctcgagaa attcaaattg tcataactta tcacactgag gtccgattaa 300
ggattataat atatcaagac gctcgaaatt aaacatcgaa agctctcaag aaattcaaatt 360
ggatcatcact tttcacacgg atgtacgatt cgggacgata atatattgat acgctc 416
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<210> 15051
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15051

agctataacc aaggggagat ggaccatttc tagtgcttga aagatataat gacaatgctt 60
acaaagttga gctgctcggt gagtataatg ttagttccat ctttaatgtc tctgatttat 120
ctctttttga tgcagatgga gaa'ccgatt tgaggacaaa tccttctcaa gagggagaga 180
atgatgaaga catgaccaag agcaaaggca aggatccact tgaaggactt ggagggccta 240
tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300
ttgaatacaa gcccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360
aaatggagga ggactaaatg gcaccacttt gtctcaattn tagagtgtta gtttgtctaa 420
ataatagccc aatccttgta aagttggctg accaaaaata t 461

<210> 15052
<211> 432
<212> DNA
<213> Glycine max

<400> 15052

agctatagtt cactgcttca agtagtgcac gatatgtctt cagaggaaaa cacgttgcct 60
aaaagttatt atcaggccaa gaagatactg tgtctgatgg gtttggagta tcagaagatt 120
catgcatgcc ctaatgattg catactatac aaacatgagt ttcaagacat gcacaaatgc 180
cctaggtatg gggatatcatg atacaaagtg aaggatgatg acgagtgtag tagtgatgaa 240
aactcgaaga agggccccca gcgaagggtg tgttgtatct tcccatcatt ccaaggttta 300
ggcgtctatt tgctgatgga gacgaagcaa aagaccctac acgacatgta aatgggagaa 360
actatgatga aatgctccat catccggctg atttgtgcag tggaagaaga ttgatcatta 420
tatccgcatt tc 432

<210> 15053
<211> 353
<212> DNA
<213> Glycine max

<400> 15053

actaagcttg tcgcttcttc tgaataactg gctaacatac attctataat gctgaagtac 60
tattagaaag gggtagccct gatacagctc tcatggtttt gaggtgggct gggcgggatg 120

gtggacctca cgtgacttca ctcaaagatg ctgtcactgc aatgcgggtg agggttgagt 180
 gtgggcttct tactgaagca tttatgcac agagaatgct ctgcaccaca gtgaaggaaa 240
 agaatttcaa taaaacagca tctgggaata cttctgagaa gcaaaaaggt caatgtaata 300
 agtgggtgga gtggatggag gtccctggtga ctgagatatg ttgcctctgt att 353

<210> 15054
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15054

aagcttggtta ctntttttgg tttataacgt atatagatta atattccttc gcttgcatac 60
 actnttcagc acattccatg gaagaagcag aagtcctatg tgatcgatta tgaatatattg 120
 tagacggngg cttgcagtgc atatgcaatc caaaggaggt aacattgctt aattaatata 180
 tatgctttat caacttcatt tgcaattaat gggcttgacc ctatagatac cgggctcaac 240
 ctataacttt ggggttattc tttctacacc caacaaattt cttctatacc caacatattc 300
 taaaaaatta taactgtatc cttttttact tcttcttctt cttcggtcct atcttttttt 360
 cttgtcttcg catagcttat agaaattnta gtgttatata tagtgacatt aattatnntt 420
 taacatgatt ggtctat 437

<210> 15055
 <211> 462
 <212> DNA
 <213> Glycine max
 <400> 15055

acataaaaga agaatcttgt acgtgtattg ttgaggcttt aatggaaata tctaaaatac 60
 aaggagcccc agagataaac caaataacat ggtatctgta agtaaggaat gagctaggat 120
 aaatattaac aaggacagtt ctatactgat tgaaacttaa gaaactatat gatggcagaa 180
 atgcaagtgt tatgggggga atcaatgatt tctataagag ctaaacactta ctgagggttaa 240
 actgtacact gcaggaatct gaataatatt cttgcggaag actctcaaac aggaaagcag 300
 cggcatatac cgtatataga ttctaggttg acacttttgt tgcaggagtc tctcggagga 360

aatgcataat tagcaatgat ttgtgctatt tcaccatcac acaagtagta tgtaatgcac 420
 tgctcattcg atatgtttta tcttctgata tttctgtatt ac 462

<210> 15056
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15056

ntgacccac ttgttggaca agtgacctca gtatcttaag aatgtgggtt gaattaagat 60
 acaaaacttt ccctaattaa aattntaact ttctttcgga ttaacaatgc acccttaata 120
 tgaattactc aaagaacaat tcaaaataaa cttcttttaa gcaaaagata aactgcaata 180
 aataaaagaa agttaagaga agagagaatg caaactcagt ttttatactg ggttggccac 240
 gccctgtgcc tacgtccagt cccaagcaa cccgtttgag atttccacta tcttgtaaaa 300
 atccttttac aaagtctgaa ccacacaagt acatctttcc cttatattta gaaatcttta 360
 caacttaaga gaccctcgtt ctcttaaaca gatctcttng aataataaga agaagaatat 420
 tctctcttta agagaatgac attacaattg aagatcgatc aa 462

<210> 15057
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15057

tagtatagct aggcactaac aatctccnc tttggcatat tttgtctana acatacttag 60
 acacttcctg agcacgtacg agcagttatg caagtgggat caacaacttt cattatcaga 120
 gtaatcaagc acagcggaaa ttctgcaagt tgcaagtcgt ttccaggatg tcaagacatc 180
 ttacatgaca tcagctttct gcttctgctc cccctgtctc catgctctta ctccagcatc 240
 ttctatcagc tactaatctt ttccaggatg tcaagacatc tcatgtgaca tcagcttttc 300
 cttgtctcca tgctcttact gcagcatctt ctatcagcta ctagtagctt acaatagtca 360
 tcatcagcag caggaggctc ccccttcaaa catgtacata c 401

<210> 15058

<211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15058

nttcatactt atcttgatta agccttctct cgattcttga atcttgagtc ttgaatcttg 60
 atcatgattc ttgggatctt gaaccttgaa tcttgattct ttactctnta accttctctt 120
 tgagacttga attgttcttg attctatctt gatcacttga gttgntcttt gattctatct 180
 tgatcacttg agttgttctt tgattgatct ttgagctttt tgtcatcacc tttgtcatca 240
 tcctttgtta tcatcattgt tatcatcaaa acatctttga atgaatcttg attcaccatg 300
 aagctttgct tctacatcta gccaaatgag cctaccttga attaattcct ttgatagccc 360
 ctttgaacct atgttccctt ttctttgntn tgaagctcat tacaagcctt aagtgaaaaa 420
 ccatgatctc acccta 436

<210> 15059
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 15059

cgacaataag ttttaactcg gatgtcctat taagccctgt aatataatcga gacgctcgaa 60
 gttgaaaacg gaagctctaa gaaaagtcca acaacaataa cttttaactc gaatgtccga 120
 ttgagtcccg taatataatcg aaacgctcgt aatttaaaac agaagctctg agcaaattca 180
 aacgacaaaa acttttaact tcgatgtccg attgagccct ataatacatt gagacgctcg 240
 atattgaaaa cggaagctct aaaaaaagtc aaacgacaat aactcttgac tcggatgt 298

<210> 15060
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15060

atctatcctt cctaagatgg tgtcagaccc agtcaccctc attaagaact agctcttttc 60
 ttctctatt gcctttagtt gaatacacct ttgtttggtt ntctatttgg ttcttaacct 120

tctcatgcaa cttctttaca aactctgacc tagattacca ttctttatgt ataaaagaag 180
 tgtccagtgg gagaggaatg angtctaacg gtgttagggg attgaaccca tagacaacct 240
 tcaaaaggga ctgcttgatg gttctatgaa cccccctgtt gtaggtaaat tcttcatgag 300
 gaagatactc atcccaagac ttatg 325

<210> 15061
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15061

gtaaaagtat tatcgtttga ttttgctcag aaccattttt tccaattcga gtgtcacgat 60
 atactacgag acacaatcag acatcccgag aaaaagnttt tgtcgtttga agttgctcag 120
 aacatctgtt ttcaatttcg agcgtctcga tatattacag cgttcaatcg gacatccgag 180
 ttaaatgtta ttgtcattng aatntgctac gagcttccat tttcgatttc gagcgtctcg 240
 atatactacg gcacacaatt ggacatctga gttaaaagta ttggcacttt gaattttctca 300
 gaacatctgg tttcaatttc gagcgtctca atatctcag ggactcaatt cgacatccga 360
 gtaaaaagta t 371

<210> 15062
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15062

atgaagctct gataccactt gntatacaag tggccttaga tatcttaaga agggnggggg 60
 ggtgaattaa gaaattccaa actacttccc caattaaaaa tctatttcac tttttattca 120
 agttatgaat tcccttaatg acaatcttct taaatattga ttcaaataaa acaatttgaa 180
 tatgaatata aagcaataat aaataaagga gattaacgga agagaaagtg caaacttaga 240
 attatactgg ttcggccaca cccttggtcc tacgtccagt cccaagcaa cccgcttgag 300
 agttccacta tcttgtaaatt tccttttaca agttctaaac aca 343

<210> 15063

<211> 400
 <212> DNA
 <213> Glycine max

<400> 15063

aaagcttata gatatgggag ggagaataaa acaatcttat ataattttac ctggcaagca 60
 acgaagagtc cctttgcgg cttctagatg ccgacaggtc cgaagcttcg tccagcgaca 120
 cacaactccc accgcalata gaatatcggg ccttgtattg gttatatacc tttagactccc 180
 cacaagactc ttgaagatcg tggagtctac cttctctcct ttatgaaact gtgataactt 240
 caagccacct tccatagggtg tgttcacggg attgcaatca agcatattaa atatcttaac 300
 acttcttttg tgtacctatc ttgtgagaca aagataccat tctccgtttg cttcacttgc 360
 attcccagaa atatgacatg agtcccatag tctgcatatc 400

<210> 15064
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 15064

tctggcatgg aatgacttgg caattgcctt ctttatgcag caccattaca aactgatat 60
 ggctcctgat cagaaccaac ttcagagcat gaccaagcgg gaatatgagt ccattaaaga 120
 atatgctcaa aggtggagag acctagcagc ccaagtcgtc ccacctatga ctgagaggga 180
 aatgatcagc attatggtag atatgttgcc tacgttctac tacgagaagc tgataggata 240
 tatgccggct aactttgcag acctcatctt cgctggagaa agaatcgagt ccggactgag 300
 gaaaggcaag tttgaatatg cctccaacgc tgccccaac aataacagaa gagccccagt 360
 ggtgggcaca cgataaaagg aaggagatac ccacgtggtc accaccgccc caacat 416

<210> 15065
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 15065

atggatcatc taaatagggtt aatttcaaaa gatctagttt ttggatggcc taaattaaat 60
 ctaaaaatat tgtttccacc actaaacat tgcaataatt acacatggat ttgtttggac 120

catctagggg catgagcttt ggtggaagtt actatgcatt agtaattggt gatgattatt 180
ctagatatac ttggacttta tttcttactc ataagaatga tgcatttcat gcatttagaa 240
gacttgccaa agtcattcaa aacaaaaaga atctcaaatt atctccatca gaagtgatca 300
tggaggtgaa tttgaaaaca ttgattttg 329

<210> 15066
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15066

gggagaacta ccataaggga tagagccttt gtgctaagt catgtnnaga aacaagccag 60
acaaggcaag taaggttgtg agaaacaaga caagattggg tgccaaagg tactcacaat 120
angaaggat agactataca taaacctttg ctcatgttac tcgtctaaag caatacacat 180
tatactctca ttfacagctc atacaaaaat gagactatat caaatagacg taaaaaggca 240
ttcctcaat 249

<210> 15067
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15067

gcttatctca tgtgggtaca tctcaataaa ttcattcttg gagagcttca tggttttggt 60
tatcacggga aggatcattg cagatgcggg aagcatgacc acggatctcg ctagagggtc 120
tgatgtagtt ggtgatattt ttgggatcat tgatcgctcg acgaagattg agccggatga 180
tccanatggg tacatgctag agaggttaat tgggtcaaata gagcttcatg acgtgcattt 240
tgcgtaccct gctaggccta atgttgctat ctttgaaaat ttctcgatga anattgaggc 300
acggaaatca acagcattgg tggggcaaag tgtgtccggg aaatcgacca tcat 354

<210> 15068
<211> 313
<212> DNA
<213> Glycine max

<400> 15068

agcttgtatc tcacagttgc ctctctcctt cacggtcagg tgacaataat aaattttacaa 60
acagatgcgt actactacat tattattatt attataatta ctgatattca atgattaatt 120
atatgcaatt gtcatttaact tagtagtaat gctatgcttt tgtagggtgtt attatgctta 180
gatggaaagga gtttaagcatt cgggtccgac ccaacttggt ccaatctcta cggaggccac 240
aaacattctc tacacattcc gtygacatgc tgttactgta taagacaacc tcagatatat 300
attcgtgtct ttt 313

<210> 15069

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15069

acacgcagct gttgcaaaca ttcagaagat ttaagtatat athtaataata gaactngtat 60
aaaagaaaaa tagacaccac cagataatta agtgggttcaa cnttggcata tgtgcaaattg 120
caaactagct accaattaag attctcgaca atcctcanag caacatcaca taaacacttc 180
aaaccatcct ctctgggagc aagctcagta ggataaacca aaccgggta gagtttgaac 240
aagttgtgac aaaacattgg gtaatcagaa gctgcagtga tgtgcatgga agcatagtca 300
catgcctcat tagccaaatc atgtgcagaa gcttggaggg catcactggc atacttgtac 360
ttttctacac actccttcag caccctttta aggtggaatc cttgttgcag tgcaagcaac 420
tgagaagaaa atagagagaa gt 442

<210> 15070

<211> 303

<212> DNA

<213> Glycine max

<400> 15070

agggactgaa tcacacattc gagtaaaaag ttcttatcgt tagaatacgc acagaacttc 60
ggtgttccat tctgagcaac tcgatatatt acgggactca atcagacatt ccagtaacaa 120
gttattgtcg tttgaatgtg gtcagagctt cgataatcaa tttcgagcgt ctcaatatat 180
tacgggactt agtcagacat ccgagtaaaa cgccattgtc gtttgaatag actcagaact 240

taggtcttca ctttcgagcg tctcaacata attctggact caatcagaca tccgagtaaa 300
aag 303

<210> 15071
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15071

gttaaaagtg attttctaaa tggcttaatt caagaagaag tatatgttga acaaccacca 60
ggttttgaaa tattggataa cccaaatcat tgttataaat tgaaaaaggt nttatatggg 120
cttgaaacaa gccctaggg cttggtacga gcgctctaagt aagttccttt agaaaaggac 180
tttctagang anagtggatc tattctttta taaagagaaa acacatgata tttactagtc 240
aaaatatgtt atgacattat tttggaccac taacaattgt gtgcaggaat tctccatgac 300
atgcaagtga gttgaatgtc atgatggaaa ttatttcttc ttggataca 349

<210> 15072
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15072

gcagcatcta tgtagtgan ggctgtgatt cacctcangg ttcnttcgag ntttgatccc 60
acaatcaagg gggaccaca aaatgttttt ctcaagcact gcgagcatct tattgatcct 120
atcagcaata tcatcacttg gtggtattct cggagagtga atgttataaa ctccggggcc 180
aattcctgct ccatacttaa ctccctcaca gaacactgac aggagctctt cttctgagcg 240
agaattttcg atggtgatca catacacatc catatcaatg atcgagtgga tgatgtcatt 300
gaaattagag taacacatgt gcgtgtggat ctgtcgattg tatagaatac aaaacatatt 360
atattttgat ggaatgcgtt cta 383

<210> 15073
<211> 324
<212> DNA
<213> Glycine max

<400> 15073

agtttaatca ttcaatttcg accgtctcga tatattacgg gactcaatca gacatccgag 60
taaaaagtta ttgtcgtttg aattgggtca gaggttcaaa attcaatttc gaacgtctcg 120
atatatttcg ggactcaatc agacatccga gtaaaaagtt attgtctttt aggttggctc 180
agaggttcaa catccaattt cgaagcgtccc catatattac gtcactgaat cggacatccc 240
agtaaaaaga tattgtcggg tgaatttgct cagagcttca acattcaatt tcgagcgtct 300
cgatatatta cgggactcaa tcag 324

<210> 15074

<211> 316

<212> DNA

<213> Glycine max

<400> 15074

agcttcttat gattgtttgt tctaatttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctgcggt gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc tgactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccat 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
gagctttatg ccttaa 316

<210> 15075

<211> 387

<212> DNA

<213> Glycine max

<400> 15075

ctgcatttta ataatatata ataagagaac tatgactatg gaagaatcta ttcattgttc 60
ctttgatgag tctaattgta ttcctccaag aaaggatatt ttagatgata ttgcagaatc 120
tttagaacia atgcatattt atggacaaga ttctaaagga aaagggaag aaagcaatga 180
agatcctcca gaagaagcca aatcaaatga tgaacttcca agagaatgga aagcttcaag 240
agatcatcca cttgacaaca ttattggtga tatctcacia ggggtaacia ctagacattc 300
tcttaaagat gtagcaata atatggctct tgtgtctatg attgaaccta caaatttaaa 360

tgaagccata atagatgatc attggat

387

<210> 15076
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15076

agcttcatca ttattttcga gcgtctcgat acgttacggg actgaatcag acatccgagt 60
aaaaagtatt atcgtttgag ttgctcagag cttaacattc aatttcagcg tctcgatata 120
tgacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt ggctcagagc 180
ttcaacattc aatttcgagc gtctcgatat gttacgggac tcaatcagac atccgagtaa 240
aaagttattg tcgtttgaat ntgctcagag cttcaacatt caacttcgag cgtctcgata 300
tattacggga ctatatcaga cattcgagta aaaatatatt gtcgtttgaa tttgctcaga 360
gcttcaacat tctatttcga gcgtgtcgat atattactgg act 403

<210> 15077
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15077

cgacaataac attttactcg gatgtctgat tgagtcctcg atatatcgac acgctcgaat 60
tgaatgtnga agctctgagc caattcaaac gacaataaat ttttactagg atgtctgata 120
taatcccata atataacgag accctcgaaa ttgaatggtg aaactcttga ccaattcaaa 180
cgaaaataac ttttactcgg atgtctgatt gagtcacgta atatatcgac atgctcgaaa 240
ttgaatgtga actctgacca attcaacgac aatactttta ctcgatgctg atgagtcctg 300
acatatcgag acgctgaatt gatgtgagct ctaccaatca acgacataac tttctcgatg 360
ctgatgat 368

<210> 15078
<211> 345
<212> DNA
<213> Glycine max

<400> 15078

agcttgcttt tacggagttt tccgactatc ctctcgtgtg gtggatcaag ctacaaaagg 60
agagagcatg aaatgaccag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
cgaagcggta tglcccggt agttractaa gggactlgaa atlcaagctc caaaaactaa 180
cccaaggcaa caaggggggt ggggagttt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggtaacta tggctcgatt tcttaatggt tcgactaatg 300
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatg 345

<210> 15079

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15079

tgagacaact tccttgagaa gctagatctt agctacacac ttccctctca taactatgct 60
cacctccttg agaagcttcc ttaagaagat tcttaaagaa gctagagctt agctacacac 120
acatctctaa tagctaagct cacctccttg agatgagaag ctagagctta gctacacacc 180
ccctataata gctaagctca cccccataac aaaatacatg aaaatacaaa aaaattccct 240
actacaaaga ctactcaaaa tacctcanaa tacaaggcaa aaaccctata atactagaat 300
gaccaaata caaggcccaa acgaaggaga aacctattct aatatttaca aaaataagcg 360
ggctcactact tagcccatgg gctcaaaatc taacctaatg atcatgagaa ccctagggcc 420
ttcccttgga tctctggccc aatctgcttg gagtcttc 458

<210> 15080

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15080

attgtaaaaa tagaaagctt ttttgaaaca cgtaattaat atattttttg tattaccaat 60
ttatgtatat tcgatctctt ggtaatttcc tgtggtttta atcttccttt gggtattggt 120
tgtaagtctc taacgtgctg ttttaactga atgcatagat ctaaacaacc ctgacgtact 180

ttgagaaaac aaatagaatn ntagttaaaa attacatant tcgttttagt taaaattatt 240
 ttttatgtat gcgttgaaat gacttggtat anctcatttt gttntaaaaa aatattttatt 300
 ttgaacaaaa taactaanaa tatttaatat aanattaaat ttaaataatn nttgtcacat 360
 gaaaagagat gttttgataa attatttatg ccattaatan tttagaatat ataaatatta 420
 taattttata t 431

<210> 15081
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15081

gtctccgttg gccttctcca gtatcttctt ctgcacactg taccggaatn tgccgtcgtt 60
 gtgctccctc cagagggagt cgatggccct gagggcgctc tcggagatga acttcacctc 120
 cgagaagaag acgtagccgc gcttctgtgc ggcttcgcca gcaagcacga tgaggagacg 180
 acggtctctc tcatcgcca gctgaaagtt attggtggag agatggtggc ggaggaggtc 240
 caaggacagt gtggtttggg aggtggtgg 269

<210> 15082
 <211> 274
 <212> DNA
 <213> Glycine max
 <400> 15082

atggatccaa acccagtcct tctcattaag aactagctcc tttcttctc tattgccttt 60
 agttgaatac acctttgttt gggtctctat ttggatctta acctctcat gcaacttctt 120
 tacaaactct gacctacatt ccccttcttt atgtataaaa gaagtgtcaa gtgggaaggg 180
 aatgacgtct aatggtgtta cgggattgaa cccatacaca acctcaaat gagatggctt 240
 ggtggttcta tgaacccttc tattgtaagc aaat 274

<210> 15083
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15083

agcttattgt ctagaatggg catagatgaa cccaactaga ttaattgccc ttctaattgt 60
cttccttata aagggaagct taccaatgtc ttcaagcctc aaatcaatac aatgggatgc 120
acaaggagtc taataaatat gtttcctttt gtcttctaac aacttaccgc ctaaaacata 180
grrgctccca ttatcagtta caactttaaac aacgttctct tctccaactt cctccacaat 240
agcatcaagc aactcagaaa gcttttcacc tgtcttcaca aaatcagagc catcaataga 300
cttcanaaac attgtaccag cttgagaggtt aagcaaaaaa ttaatgatg 349

<210> 15084
<211> 309
<212> DNA
<213> Glycine max

<400> 15084

agcttctcta tatattatgc acctgaatca gacttccgta tgaaaagtta tgaccatttg 60
aatttctcga gagcttccgt ggttcaattc caagcttctc gatataattat gcgcctgaat 120
tggacttccg tgtgacaagt tatgacaatt ttaatttctc gagagcattc gttgttcaat 180
ttcgagcgtc tcgatataatt atgcgcctga ataggacttc cgtgtgatca gttatgacca 240
tttgaatttc tcgacagctt tcgttggttca atttcgagcg tctcgggtata ttatgcgcca 300
gaatcggac 309

<210> 15085
<211> 206
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15085

atcaatggtc ttattctaaa gctaactaat tccgccacac ncttgatat atagnngccc 60
tgaagcggac tttcggcnga naagacatga ccatttgaat ttctccagag ctttcgttgg 120
tcaatttcga gcatctcttt atattatgca cctgaatcgg acctgcgtgt gacaagtcatt 180
gaccatttga atttctcaag agcatt 206

<210> 15086

<211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15086

agcgtcctta agttgattcc taaagaagct agaagctagc tacacatacc tctctaataag 60
 ctaagctcac ctcccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
 aagctcacc ncatgacana aaacatgaaa ataaaaaaga agtccttatt acaaagacag 180
 actcaaatgc cccgagatac aaggctaaca ccctatacta ctagaatggc caaaatataa 240
 ggcctagacg aagganaaac ctatttcta atttacaaag ataagcgggc tcatacttag 300
 cccatgggct cgaaatctac cctaaagctc atgagaaccc tanggcctnt ccttgatct 360
 ctageccaat ctacttggag tcttct 386

<210> 15087
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15087

ntactatgca gagaatatcc aaggaatata ccttcattctg acttatcatc aaatattcct 60
 aagttatctt ttccattatt caatacaaaa catttacaac caaagatatg aagggtgtgag 120
 atgtttgggt ttctgccatt gaacaattca tatggagttt tctttaaaat gggctcttatt 180
 aaagccctat ttaaaatgta gcatgcagtg ttaacgactt cagcccaaaa gtatttttga 240
 agaggagtat catttaataa agttctagca atctcttcca aagatctatt tctcctttca 300
 acaacaccat tttgttgagg ggttcttggg gcaaaaaagt tatgctcaat cccatgctta 360
 tcacaaaata tttcaaattc tttattttca aactcaccct catgatcact cctaatagat 420
 ataattctta gatttttctt atattgaatg atttttgcaa g 461

<210> 15088
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15088

gcttgtaggc ctaggatctt cttcatcaat gtattccttt gcttcttgga agatgaatgt 60
ctgctgaatg gagaaaggaa gagagagagg agacgccact tcaaggagaa gatgagtcta 120
caagaagctc accaccatac gagggccatgg ataatagctt ggaggaagaa agagatgaat 180
gaggggagag ggagagaaga gcacgaaatt ttgtgctcca aatgagctct gaaatctgaa 240
gtttaatatt caaatgatca aagttganaa aaatgcacac acatgacctc tatttaragc 300
ctaagtgtca cacaaaattg gagggaaatt caaatctcac ttgtatttga aattgaattt 360
gtggagccaa actctggagc caaaatttca ctaattatga tcagtgaatg ttagttatg 419

<210> 15089

<211> 295

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15089

ttcttgtata taagcatgat tgggagctta ctatatttaa cagctagcag acctgacatc 60
acctatgcag taggtgtttg tgcaagatat caagccaatc ctaagataag tcacttgaat 120
caagtaaaga gaattctgaa atatgtaaat ggcaccagtg actatgggat tatgtactgt 180
cattgttcag attcattngc tgggtgggtat tgtgatgctg attgngctgg aagtgcaaat 240
gacagaaaaa gcacttctgg tggatgtttc tatttgggaa ccaatcttat ttcat 295

<210> 15090

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15090

tagtagggaa tctatccttc ctaagatgga gtttaaccca ttcaccctca ttaagaacta 60
tctcttttct tccttaattg cctttagttg aatacacctt tgtttgtttc tttatttggt 120
tcttaaccct ctcatgcaac ttctttacaa actctgacct agattcccct tctttatgta 180
taaaagaagt ttctagtggg aggggaatga ggtctaacgg tgtaggggga ttgaaccocat 240
agacaacctt aaaaggggac tgcttggtgg ttctatgaac cccctgttat aggcaaattc 300
tacatgagga agctactcat cgcaagactt atgggtgcct ttcagaanag cccttanaag 360

ggtggataaa gacctattca ctacctctgt ttgcccatca gtttgtggat gacaagtgg 420

agagaaaaca agtttagttc ct 442

<210> 15091

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15091

agtttgattt ttatgagtna gctnngggaaa aggacaagct aacttggaga aaccttctat 60

gaatctctag taatatcccg ctaaaccacag aaaaattctg atctcaaaca caaacttagg 120

actctaccac ttaagaacaa cttttatcat acagggatct acaactatac ctcttagga 180

tatcacatgt cetaagaaac taactttctc taaccaatac tcgcacttgg acaacttact 240

gtaaagatgc tggtcctaa gggtttgcaa gacaatcctc tagtgctctt catgctctc 300

tctagtgtg gagtatacca aaatatcatc tatgaatact accacgagct atc 353

<210> 15092

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15092

gattcctaaa gaagctagag cttagctaca cacactctct ctaatagcta ttctcgctc 60

cttgatgtga gaagctagaa cttagcttca cacaccttct taatagctaa gcacacctcc 120

tagagatgag aagctagagc ttagctacac acccctata atagctaagc tcaccncat 180

gacaaaatac atganaatac aaaaaaagtt cctactacaa agactactca aaatgcctcg 240

aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc caaatgaagg 300

gaaaacatat tctaattttt acaaagataa gtgggctcat acttagccca tggactcaaa 360

atctacccta aggtctatga gaaccctagg gccttccctt ggatctctgg ctcaatctac 420

ttggagtctt tta 433

<210> 15093

<211> 437

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15093

accaacgacc ataactatgtt actcggatgt ctgatagacg ctgnaatat ttctagacgc 60
tcgaaatcga acgttgaagc tctgagccca tacaacgat actgacttta actcggatg 120
tctgattgag tcccgtaaca taccgagacg ctgacattg aatgttgaac ttctgagcta 180
attcaaacga caataacgat tttctcggat gtctgactga gtcccgtaac atattgagac 240
gctcgaaata gaatgttgaa cctctgagct aattcaaacg acattaactc tttactcaga 300
tgtctgattg agtcccgtaa cttatcgaga cgctcgacat tgaacgttga agtccgagc 360
gcattcaaac gaccataact ttatactcgg atgtctgatt gaggctcgtg atatatcgag 420
acgctcgata ttgaatg 437

<210> 15094
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15094

gcactcattg canatgcgtc atcctcagct gacatgacga taagccacta tggattgctt 60
cttagaactc cacgatattg gtgttgacc atacgtgaat atgcaaccta tagtactcgc 120
tatgtaattt tggactcatc cccaatccgc atcagtatat cccactaatt ctt 173

<210> 15095
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15095

agctntgttt tctttgttc cgganacctt tctttttctca tgtgcaccca aaccaatct 60
ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttattt 120
ttcctctcaa tttgatcttt gactctctta tgaagcttct tcacatagtc cgcctttgct 180
tgaccttctt tatgcttaaa aacagaaaca ttatgcaaaa gatcaagagg agttagtgga 240

ttaaaaccat aaacaacttc aaaaggagaa caattagtgg tgccatgaac agctctattg 300
 taagcaaatt caacatgggg gtaaacaagc ttccaagt 338

<210> 15096
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15096

gtgagaagna gtctattgct nttctctcat atccattcat ggtttgtgat attataatga 60
 gagcccaaca tgataatcct gttgttggg gtgatgccg aaacacttga atacctnta 120
 cgatagctcc acacttgag tacatgtcaa taattatggg gagaacaacg acattcaact 180
 caaaattccc ctttttacat aatcatgaac ccactcccca tgtagaagtg cacctaagtg 240
 agcataaaca cttaacaaac tcatcactgt aaattcacta ggctgaacc ttcgtctctg 300
 catcttgagg aaaagctcca atgcctccat aagcctttta ttctaactat atccactaat 360
 catagaatnc taagtaactc taattcttgg aggcattgta tcacacaacc ctctagattt 420
 atc 423

<210> 15097
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15097

cgaacaacaa taacttttca ctcggaagnc tgattgagtc ctgtaatatt tcgtgacgct 60
 ctagtgntaa aaccgaagct cgtagcatat tcgaacgaca ataacatttc actcggaagt 120
 cctattgagt cccgtaatat atcgagacgc tcgaattata gaaccgaagc tcgtagcaaa 180
 ttogaacgac aataacattt cactcggaag tcctattgag tcccgtaata tatcgtgacg 240
 ctogaatttt ataaccgaag ctctagcaa attcgacgac aataacattt cactcggaag 300
 tcctattgag tcccgtaata tatcgagacg ctgca 335

<210> 15098
 <211> 326
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15098

tttcttggtg ganaactnga tgccttggtc aacctagtga cccagcttgc catgaatcan 60
anattctaac ctggttgaag agtctgtggt ccatgttctc ctacagatca ccatacagat 120
ctctctctct ctttgagca atttggagtc aatgagcaac ctgaagctta tgcctgaaaac 180
atttataata gacctctca gcagcaaaac caacaacact agaataacta tgatcttttc 240
agcaacagat acaatccagg ttggagaaat catccanac tgagatggac aagtcctcga 300
caacaacaac agtctgtccc ttcttt 326

<210> 15099

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15099

agctntttaa tatttaaatt caaatcttcta aaagctgtga caaatagttt aaacttctgg 60
taatcgatta cgtaccttgt gtaatcgatt acaggctttt aaattcaaatt tcaaaatttg 120
caaatctgtt tagaaatcaa tttaaccact ggtaatcgat taccagagac gaaatatcat 180
atctttgaaa atatgattgt tcttaaaaaa cttttgtaaa atatttcctt tagtcctgtg 240
cagcatcaat taagggaatt tttctaagat cctaactaag tacatcattc ttcttgcatt 300
tctaaattct tgacttgaat cgntgtcatc tttggcatca tcacaacttc atatcatata 360
tatttctaca cataatttca ttaaaaaaat aagtgtatat ttttaaaata aataacataa 420
actga 425

<210> 15100

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15100

ttcttttaaat gtccatgatn tatcttggtc tatacatttt ttagttttta cacacaaact 60
cgtgatttat tcaaacaaaa aggatgaaat tgggagcag cagcaagaa acttacttgt 120

tgggtggcata gttgacaagg ttggaaaaga gaatgccaaag ggtgatattc aactggaaaa 180
 gtatattcaa tgctgcacgt attcttgaaa gtgcatctt tgaaagaaaa actggcacia 240
 cctgttgtca taaaaaaaaa ttaaaccaac aaagataagt gagttcgaag aagcacttgc 300
 tattacacia cattgaacac tgggtttcata aataaaataa acacacacat gcatatggca 360
 gaatgtctat ataacgaaa tagaatgac naccctcatt acaataaatt aatatctca 420
 attgaacaac attttgacct atttattt 448

<210> 15101
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15101

agctncatna ttatgcttcc tccagaagct tcctcgtggc tgctntgaga agctttctca 60
 agaagcttct ttgagaagct agatccttat ctatccacac ccctctatta actaaattaa 120
 ctcccttaaa aataattacg gatgaaaata acgcaacaaa tattcaaaca tcaaacataa 180
 ttactaatag tatatagata tatatatatc aggggtgttac aactctccca cccttttaga 240
 aatttcgtcc tcgaaattta ccttactcaa acaaggatgg gtgagcttct cacatctgac 300
 tttctaattc ccatgtggca tcttctcctg atgcacctcc ccagatcacc ttgaccaaca 360
 gaatctctnt ccctcttaag tgtgttgtgt gcctatcctc gatcctcaaa tgcactgttt 420
 catatgtcac aatctccttc acttgtacat 450

<210> 15102
 <211> 233
 <212> DNA
 <213> Glycine max
 <400> 15102

tgaaacctgt tgaaatgaga actttggaga aatttttaaa attgtgacca aatttcagaa 60
 catggtttct ttagacatga aggctttctt ttcaaagaaa acaaattgtg tgtgcctaaa 120
 tggctacta gaaatttgct tggttgtgaa gcacatgaag gaggtttaat ggggccattt 180
 ggggtccaaa agactctaga aacattacaa gaaccatttt attggcctca tat 233

<210> 15103
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 15103

gtatgaccc ctgacatcat taddacaada atgttcctac atactacatg cccttagagc 60
 ttagaagatt tglcaactgg atccaaaaacc atagcagaaa ayaatgtaaa caacatgtga 120
 ataaaaacct gaccaaccaa attgcaaata tgaatttgct ggggaagaaa ggggtagtca 180
 gtataagtgt aaaaccaaga accggatcag aaatgtagaa tgtctccctg tgatacttgt 240
 tgagaggagc attgagagca aatctctttg gcaaactctg attagccaag aacaaacgac 300
 cgtaagcaac agatcagccc tgtcttcagc tactgcattg atcccatctt gcgatcata 359

<210> 15104
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15104

agctagtgtt ttcttaccct gatgaggatg tcccatatgt gcttataact ggactgattc 60
 atttgcttcc aaagtttcat ggccttgcaa gtgaagaccc gcacaaacat ttgaaagaat 120
 ttcacattgt ctgctccacc atgaaacccc cagatgtcca agaggatcac atatttctga 180
 aggetnttcc tcactcatta cagggagtgg caaaggactg gctgtattac cttgctccaa 240
 ggtccatcac gagctgggat gaccttaaga gagtattctt agaaaaaatt ttccctgctt 300
 ccaggaccac agccatcagg aaggatatct cangtattag acaactcagt ggagagagcc 360
 tgtatgagta ctggga 376

<210> 15105
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15105

ttctgcttc ttctatctc agattgggaa tgctctaac agcaccttg tcaatgattt 60

tcttcatgcc tcttaagtgc agatgtccaa atctntgatg ccatattctg acttcatctt 120
ctctggagaa tagacatgtg gaggagtaac tggtttcttg atgtgtccat aggtaacagt 180
tgtcctttga tctactgccc ttcacagaa cttcactctt ctcatttgtc accaagcatt 240
ctgactttgt gaagtttaca ttgaatcctt catcacacag ctgactgatg ctgatcaagt 300
gtgtgtcag tcccttcacc agcagtactt tgtccagact aagaagtcca tcatggacaa 360
actctcccat tcagagatct 380

<210> 15106
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15106

agccttcaca tttcaatttg agcgtctcgt aatattacgg gactcaatca gacatccgag 60
taaaaattta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctca 120
atatattacg ggactcattc agacatccga gtaaaaagtt attgtcgttt gaattagctt 180
agagcttcaa caatcaattt cgagcgtctc gttatatcac gggactcaat cagacatccg 240
agtaaaaagt tattgtcgtt tgaattgggt cagagcttca acattcaatt tcgagcgtct 300
cgatatatga caggactcaa tcanacatcc gagaaaaaag ttaatgtcgt ttgaatttgc 360
tcaaagggtc aacattcaat ttcgagcgtc tcgttatatt 400

<210> 15107
<211> 390
<212> DNA
<213> Glycine max
<400> 15107

catggaagga cttggcaact gccttcattc ggcagtacca gtacaatata gacatggctc 60
ccgatcggaa ccagcttcag ggtatgacta aacgagagca tgagtccatt aaggaatatg 120
cccagagatg gagagtgaat ttctgatacc aggggacaga tgtcgtacag gatgtcacga 180
catcacgctt cagaacatgc agattgtatg tgtccgtatg aacagattaa acaagtaaatt 240
aacacaagag aattgtaacc cagttcgggtg cacctcacct acatctgggg gctaccaagc 300
cagggaggaa atccactctc aatagtgtta gttcaaggtc taacaacccc tgtttacaac 360

cttctcacct aaccactacc cgtgcgatct

390

<210> 15108

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15108

ttacgagcgt ctcgaaatcc tacggaacac ttattggaca tccgagtgan aagttattgt 60

cgttgtaatt tgctcagaac ttctgtttta naatacgagc gtttcgatat attacgggac 120

tcaatcggac atctgagtta aaagttattg tcgttggact tttcttagag cttccgttnt 180

caacttcgag cgtctcgata tcctacggga ctcaatcgga catccgagta aaaagttatt 240

gtcgtttgaa tntgctcaga gcttctgtnt tcaattacga gcgttttgat atcctacggg 300

acacaatcgg acattcgagt caaaagttat tgctgtttga cttttcttag agcttncgtt 360

tacaatttcg agcttctcga tatattacag g 391

<210> 15109

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15109

actcttgctc gagaatggag aattgcacta agcaatcact acgcatagct ctcttactcg 60

aaggtggagg acacatgaac gagaacacaa ttcatggng ctccgaaaag gggttgagaa 120

tggagaatta cactaagcaa tcactacgca tagctccaaa cttgaagggtg gaggacacat 180

gaacgataac gcaattcatg gtgctccgac aagattgaga atggagaatt gcactacgca 240

atcactacgc atatctccaa acgcgaagggt ggaggacaca tgaatgaaaa cgcaattcat 300

ggggctccga aaagattgag aatggagaat tgcactaanc aatcactacg catagctcca 360

aactcgaagg tggaggacac atgaatg 387

<210> 15110

<211> 218

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15110

tactcaaggg atttgaaatt caagctccaa aaactaacc aaggcaacaa ggggggttgag 60
gagtatttca aggaaatgga tgtgctcatg attcaagcaa atattgaaga agatgaggag 120
ctacataggg ctgatttct taatggtttg cctaataata tccgtgatat tggtagagc 180
caggagttag ttgaaatgga tgatntgctt cacaaga 210

<210> 15111
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15111

cattcaattt cgaggggtctc gatatatgac gggactcttc tgacatccga gtaanaagtt 60
attggcgttt gaatttgctc agagcttccg tattcaattt caagcgtctc gatataattac 120
aggactcaat cagacatccg agtaaaaagt tattgtcgtt tgaatttgct cagagcatca 180
agattctatt tcgagcttgt cgatatatta tgggattcaa tcggacatcc gagaaaaaag 240
ttattgtcat ttgtatttgc tcagagcttc aacattcaat ttcgagggtc tcgacatatt 300
acgtgactca atcagacatc cgagtaaaat ggtattgtcg ttttaatttg ctc 353

<210> 15112
<211> 233
<212> DNA
<213> Glycine max

<400> 15112

atacgatatt gctgacacaa taatctcttc tatatagtta ctgagaatca ttgtgtctgc 60
aacacaaatg gaatccaggt catcacaatc aagatcagtg gctgcaagca cttccatgat 120
atggctcttg ttatcctgaa ctgtgatcat cttcatatcc tcttccaatt gagacttcca 180
gctgacaaga tgtgattcat cttctggggg cctgatgtct atgttgatg gga 233

<210> 15113
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15113

aaaatggtga caaactccac atactacaca tgtaaaacat taacaagcca tcttgattcc 60
taaacacatg atatgcatct tcattttcaa agccacggac tgaggtccat catctacacc 120
aagcttctca aggtcctcaa aaaaagcacc gggattnttc ttccacacac cttccacatt 180
atttatttgc tgttcaccta tntggcgagc ccttaactgc ttcttaaggt ataagacttg 240
tatattctct atgtgataac cctaaaggca ctttcttgaa gcacatcatg atatgcccac 300
atcatcacat tct 313

<210> 15114
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15114

gccatttgaa tttttcaaga ctttccgctg ctcaatttcg agcgtctcga tatattatac 60
tcctgaatcg gacctccgag tgaaaagtta agaccatttg aatntctcga gagcttccgt 120
tggtcaattt tgagcgtctc gatataattat gcgcctgagt cggacctccg agtggcaagt 180
tatgaacatt tgaattttctc gagagcttcc gttgctcaat ttcgaccgtc tcgatataatt 240
atactcctga atcggacctc cgagtgaata agtatgacca tttgaatttc tcgagagctt 300
ccgttggtca atttcgagcg tctctatatg tgatgcgcct gaatc 345

<210> 15115
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15115

acgacaataa ctgtttacat ggatgtctgt ttgagtcctg tcatatatcg agacgctcga 60
aattgaatgt tgaatctctg agccaatcca aacgaacaat aacttttact cngatgtctg 120
attgagtccc gtaatatatc gagacgctcg anattgaatg ttgaagctct gagccaattc 180
anacgacaat aactntntac tcggatgtct gattgaggcc cgtaatatat cgagacgctc 240

gaaattgaat gttgaagctc tgagccaatt caaacgacaa taactntnta ctcggatgtc 300
 tgattgagtc ccgtcatata tcgagacgct cgaaattgaa tgttgaatct ctg 353

<210> 15116
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 15116

tctaccccat tttcgatagt acttgtgtaa gcccaatcca ggtggtacca aagaaagggg 60
 gcatgacaat cattcagaat gaaaagaatg acctaattccc aacaaggact ttcactgact 120
 ggagaatatg catcgattac cacaagctca acgaagccac gaggaagac cactttcttt 180
 ttcctttcat ggaccaaagtg ttggatagggc ttgcgggacg ggcttattac tactttctgt 240
 atggatactt tggatataat caaatta 267

<210> 15117
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15117

gatctttcac tttcaggtga tatatttaaat gatgtggtgg gcagcccata ctatgtagcc 60
 ccggatgttc tgcanagcg ttatggctct gaggcagatg tttggagtgc tgggtttatc 120
 ctttacattc ttttgagtgg agtacctcca ttntgagctg gtgagatctt ttgtatttat 180
 ttggacagtg taattatgac ctctattcat ataaatgtat gcctttcttt tttctgatta 240
 ttaattctcc cttcgtcttt gtgtggttca tatggttgtg tagaanacga acaacggata 300
 tttgaacaag ttctgcgtgg tgatcttga 329

<210> 15118
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 15118

aagctacaaa aggagagagc atgaaatgaa gagccaatgg ttgatacatg gacggagatg 60
 aaaaagatca tgaggaagcg gtatgttccg gctagttact caagggactt gaaattcaag 120

ctccaaaaac taaccaagg caacaagggg gttggggagt atttcaagga aatggatgtg 180
ctcatgattc aagcaaatat tgaagaagat gaggaggtaa ctatggctcg atttcttaat 240
ggtttgacta atgatatccg tgatattgtt gagctgcagg agtttgttga aatggatgat 300
ttgcttcaca aagc 314

<210> 15119
<211> 318
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15119

catcagacca cttccgggtg ctggagctac ttcatttttt cttgatgggg cctatgcaag 60
ttgaaagcct tgtaggatag acgtatgcct atgttgttgt ggatgatttc tccagatnta 120
cctgngtcaa cntatcaga gagaaatcag acacctttga agtattcaag gagttgagtc 180
taagactcca aagagaaaaa gactgtgtca tcaagagaat cacgagtgc catggcagag 240
agtgtgaaga cagcaagttt actgaatact gcacatctga aggcatact catgagttct 300
ctgcagccat tacaccac 318

<210> 15120
<211> 325
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15120

atcctatctc cgacagccaa tgggtgagtc ctgtcccggg agtcccgaag aagaccggcc 60
ctacagtgat aaaaaatgag aaggaggagc taattcctac tcgggtgcag aacagttgga 120
gagtctgcat tgactatatg aggcgtgaacc aggttaccaa aaaggacat tntcccctgc 180
cattcattga ctagatgctn gaacgactgg cangtaaate ccactactgt ttccttgatg 240
gttnttctgg ttatatgcaa attactattg ctctaagga tcanganagg accacattca 300
cctgccccct cngcactttt gccta 325

<210> 15121
<211> 341

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15121

agcttatctt tttgaagtct gtaagatggt atgtcttatt gactntgtta gccttaagaa 60
cttgttcttt tcttggtgct accaaaattc tgcacatga tctcaatggt tcaagagctt 120
ttttgttcta agtgatgtaa atcattcacg tcatcaagaa caataagaac ctccatattg 180
ccaattctcc taacaatatt tttgggtaac tgcattcacg tcatatccta gtagtgtaga 240
aaatattttt ttcttcaaag aaattattcc atgtttcttt gattcttctc tttcatgggc 300
taaaaaataa caaccatcat attcagaccg taacttttct a 341

<210> 15122
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15122

agcttgtatt actaccataa ggaaagaaag taatgggtgt ctacaaacaa tatggatgag 60
gcaggtaacg ttgtcagaaa caagacaaga ttggttgcca agggttactc acaacaaaaa 120
ggtgtagact atacaaaaac ctttgctctt gttgcttgct tagaggcaat atacattnta 180
ctctcatttg catgtcatat aaaaatgaga ctatatcaaa tggacgtaaa aaatgcattc 240
ctcaatggag taatataaga agaagtctat gtagaacaac ccaactgngtt tgaaagtaac 300
actgttcac acatgtgttc aaactctata aaacattgtg tggacttaag aangctcctt 360
gagcttggtt gaacatctta gttcatttca tg 392

<210> 15123
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15123

agcttgcata atggattcag cgatgtcttt ctatgggggg caggataacc ctcatcaatt 60
ctgtcccaac agccctccct atctaccttc tctctttttt cagaattcct aaaaaagtga 120

tacataaggt agtttctatt cagaggaact ttntgtggg ggggtggttct gaaacagcta 180
 aaataccatg ggtgatctgg gatattgttt gtcttcccaa gactaaagga gggttgggga 240
 tcaaagaatt gtctaagttt aatgaggcct tgattggtaa atggggatgt gatctggcta 300
 ataaccagaa tcagctttgg gctagagttt tgatgtccaa gtatgggtggg tggaatgctt 360
 tatgttttgg aagaaacagt gcagaactact ccccttggg 399

<210> 15124
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 15124

agcttgcata ttggaatcag cgatgtcttt ctatgggggg caggataacc ctcatcaatt 60
 ctgtcccaac agccctccct atctaccttc tctctttttt cagaattcct aaaaaagtga 120
 tacataaggt agtttctatt cagaggaact ttttgtggg ggggtggttct gaaacagcta 180
 agataccatg ggtgatctgg gatattgttt gtcttcccaa gactaaagga gggttgggga 240
 tcaaagattt gtctaaattt aatgacgcct tgattggtaa atggggaatg ggatctgcta 300
 ataaccagaa tcagccttgg gctagagttt tgatgtccaa gtatgggtggg tgga 354

<210> 15125
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15125

aaattaactc gaaagagagg ttttcttaga tacaggggaa aaagtctctc tataatcgat 60
 tccttctctt tgagtgaatc ctttagcaac aagtcttgct ttatgtctct caatgttgcc 120
 ttctaagtct ttctttgttn tgaagacca tctacatctg atggctttta caccaacaac 180
 caactcaacg agatcccaaa cttgggttaga tgccatagaa tccatctcat ccctcatagc 240
 attataccac annattgatt ccttagaact cat 273

<210> 15126
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 15126

agctttctata ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60
taaaaagtta ttgtagtttg aatatgtca gggcttcggt attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatcaga gtaaaaagtt attggttggtt gaattttctc 180
aaagcttcag tttccatttc cgaacatctc gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtagtt tcaattggct cagggttca gtattccatt tcgagcgtat 300
cgatgtatta cgggactcaa tcagacatgc gagttaaag ttatcgtcgt ctgaatttgc 360
tc 362

<210> 15127

<211> 350

<212> DNA

<213> * Glycine max

<223> unsure at all n locations

<400> 15127

ttctnttctt agtcgtctgt aaggatgatt gngtggttaga aagcggcgat gcctactgta 60
gactgttttt ctcccatggt tcagttgtat gtaacttgta ttttcttcac agatggggca 120
tgcatgatga cccttaacac tgtaaccgct gagatttcca tatgctggaa agtcattaat 180
ggtacaaaaa agcattgcac gcatttcaaa cgtctctttg cgaaacgcac catacactac 240
aaccctctcg tcccacaact ttctcagatc ttcgaccaac ggacttagat aaacgtcaat 300
gtcatttcct ggctgtcttg ggcccgatat catcatacac aacattctgt 350

<210> 15128

<211> 409

<212> DNA

<213> Glycine max

<400> 15128

agcttttatc tatccttttt agctactaat taacttttca gtttgcaatt agattttcaa 60
ctaattttat cgaatataac ctatatctca ttttaaaaaa tataaaacaa taaaagagca 120
tttgtttcat aaaatctttt tacatttatt accaaaaata taacaaggga atatcatttc 180
cttgtattta aaaaatcgtt tgggttacatt tttatattat tgagaataat ttttgaaatt 240

taaaataatt tagataaaaa ataaataaaa agaagtttca gacgtattag acaataaatt 300
 ctcacattct catgaaaata tcactttctc accctcctca tgggaatata aatattagag 360
 aatataataa aaaaattata acattaattc tcaagaatca ataatacca 409

<210> 15129
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15129

tttctntatt atgctccatg antctactnt acaaaacaga taaacatata tgcgaatggt 60
 aaactgatga cagtgcact gaataaattt agaatgttaa actgctactt cacttcatga 120
 tgataatggt tatctttctt gtatttttaa acaatttato tactatgtaa atatattatc 180
 aatgtgtaat ctattttaat tggcacatta gttttcattt tattcctact ttataaatca 240
 gataaacata catgcaaaat tttttacaa caaccogtgt gtacgcacgg gttgccaaact 300
 agtgtacata tataaaatga gaagtgtggg gttagttctg aaatataaac agaaatggat 360
 ggggtatttt gggaaaaatt attttagaat aatg 394

<210> 15130
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15130

tctcaacaag agaccagagc ctccattcag agcttncttt atctatggga caatnggcta 60
 cacagttaaa tcaacaactg tcccagaatt ntgacagatt accttctcaa tctgtccaga 120
 atccccaaaa tgtgagtgcc attacattga ggtcgagaaa gtagtgtcaa ggacctcaac 180
 cagcaacatc ttcctcatcc gcaaatgaac ctgcccaact tcactctact ccagaanaag 240
 atgatgacaa aaatttaaag agtaagt 267

<210> 15131
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 15131

agctgactta tctcccatgg ctaccaacga tctgattcgg atcattctct tttcttgogc 60
ataaccggct ccacaattac catcctctta gtatatgtag acgacataat tcttacaggg 120
aacagcttga cggagatata ggctataacc actctgttgg accaagagtt tcgaattaaa 180
gaccttggga acctaaagtt cttctcgggg ctgaagattg ctogaacctc tgaaggaatt 240
catctatgcc agcgttaagta tgtattagat atcttatctg aatcaggcat gttagggttg 300
aagccgcatt caacaccaat ggattattca ataaaactac aaaagagctc gggtaaccct 360
cttccgaacg agtcttcttc ctcttctc 388

<210> 15132

<211> 329

<212> DNA

<213> Glycine.max

<400> 15132

tggatgcaaa agtttattat gactatgggt atgatgacta caaatgatac acaagtctca 60
agagaatcct gcggtccata tgccctgttg agggaaggga caataaatct gcacccttgg 120
attttcaaac cccaaaaaga tttggcaatc actacttcat aaacattctt gaagggaag 180
acttgtagg ttctgacaat gttcttatta gccatgactt acttggaag attacagagc 240
aggtgtggga ttatgcctct aatgaaaaaa tcttgtctgc ttcatttgct aaatctatga 300
ttaggatggg aaacatcaat gttcttact 329

<210> 15133

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15133

agcttctata taagggtcgt tcctaataac tctacaattt catcacctct caatgagcta 60
gtgaagaaga atgtgacatt tacctgcggt gaaaaacaag agcaagcctt tgctctgctc 120
anagaaaagc ttactaaggc acctgttcta actcttcttg acttttctaa aacttttgag 180
ctaaaatgtg atgcttctgg agtgtgagtt ggagctgttt tgttgcaagg tgggcaccct 240
attgcttatt ctagtataa acttcatggt gcgaccctta actacccac ctatgataaa 300

gaagcttatg ccttaataag agcactccga acttggaac attaccttgt t 351

<210> 15134

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15134

agcttggata gaaggggtgac catgagagcg tttggagctg aattaatcct cactgatcca 60

gccaaaggaa tgggaggaac agtatagaag gcttatgaac tnttggaaaa cacaccaaatt 120

gctcacatgc tgcaacaatt ttcaaaccct gccaatatc aagttacctg aacctaaatt 180

actattgctg tttgaaatct cctaccaaga cagaaaaatc agtagaacta ggctngtatt 240

atgcttgtgt gatgcttcat tgtacttaaa gttaatacta gaatatatgt ctaacataga 300

tgcttggctg tacaatggctg catttattta ttaaataga 338

<210> 15135

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15135

agcttaattg cactattcaa tggagttgac aagaacattt tcagactgat caacacttgc 60

acagtggcca aagatgcatg ggagatcctg anaatcactc atgaaggacc tccaagtga 120

gatntccaga ttggcaactc ttggctacaa aattcgaaaa tctgaagatg aaggaggaag 180

agagtattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgccttgn 240

gagagaggat aacagatgan aagctggtga gaaagatcct cagatccttg cctaagagat 300

ttgacatgaa agtcaactgca atagaggagg cccacgacat ttgcaacatg agagtggatg 360

aactcattgg ttcccttcan acctttgagc taggactctc gcatg 405

<210> 15136

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15136

agcttgagtc ttttgtaaat ggogacattt atagcatgaa tagtggtgtg tgtaaccaac 60
aagtcacaa ctacttctgc ctgagaggta ccctagaggt actgggggtat tgacgatggg 120
agcttcccat atagtggctt cggatatttg aaataccagt gctcagatga accaatgtat 180
tgtatgcca ccccgatag gagatctt gaaccactat gatgggcat catggcaaa 240
cgaatggaag tactgtctta aaacatggc gacgacctcc atctgtctat cgatctgngg 300
atgataagca gtgctcatcc atagcttcgt cccacataag cgaaagagtt cccgccaata 360
ggcacttatg 370

<210> 15137

<211> 209

<212> DNA

<213> Glycine max

<400> 15137

tgcttgcttt ctctggaagc tcctaatagc tcccacacta tttgggggtgg gccattctcg 60
gatggccttg attaactcac ggaccacttg gaccccatct ctaccaacta cacaacctga 120
gaagactata ttatctacac aaaaagtaca ctactgtata ttagcataca gggagttttt 180
cctatcgact gacataactt gtctgacat 209

<210> 15138

<211> 253

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15138

tactcaagcc tgttacctcc ttcttcaacta catcaagagg gaccttggtg tttcttctct 60
gnggctgnct aatgggttta gcccacacct ctaaaagtat ccgatgcata catgtgaatg 120
ggctaatacc aggaatgtcc gccagggtcc agcctatagc cttcttatgc ttcttgagaa 180
ctgatgacaa cttctcctct tgctcatcaa caaggaggc agatataatt actggaaaac 240
ttttgctctc atc 253

<210> 15139

<211> 376

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15139

agcttatgtc tganatattt acaatagacc tcttcagcct cagcagcaaa atcaaccaca 60
acagatcaaa tatgacotet ccagcaccag atecaaccct ggatggagga atccccata 120
tctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac agccccagaa 240
atagccaaca gttgaggccc ctccacaacc ttccctcgaa gaatttgtga ggcaaatgac 300
tatgcagaac atgtagtttc agcaagagac cagagcctcc attgaatcaa caacagtccc 360
agaattctga caagct 376

<210> 15140
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15140

agccttggtta agtgatcatg ggggtgaatt caaaatgagg aattcgaaac tttntgtgaa 60
gaaaatggta ttaatcacia tttttctgct tcaagaactc cttaacaaaa tggagttggt 120
ttgagaggaa agatagattt cttaggaat taacaagaac tatgctaaat gaaaaccacc 180
tacctaaata cttatgggtg gatttcattt gtacaacttg ttatgttctc aatacaatga 240
ttataagacc gattntgana atgacacctt atgaggtcta caaaggtaga agcctaaata 300
catcacatca aanagtcttt ggggtgtaa atgtttgtgtt aaacaatggt aaataatcac 360

<210> 15141
<211> 227
<212> DNA
<213> Glycine max

<400> 15141

tgctgattgg ttcaacattc caggtgtctt tgacctcttc actttctaag atgttccttc 60
ccctcaaggc acccctgcc aactaggcac atctgtcata ggattcacc tccatgactt 120
tgcagatata atcttcaca acaatgagaa ttacacgcag tcatggcaca tggatggatc 180

tagcttctat gttgttgggt aggacatcta tttttattat ttattta

227

<210> 15142
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15142

agctgttggt caagatctct atttatctcc gaaacccagc tgagcaagca tatagtctaa 60
gaacgccccaa cttatcgagt tgtatgcttt tctgaagtct acttttaaatt aaaaacaatt 120
ccagtgaat ctttgggccc aatccaccac ctcatcatg atcatcacgc catcaaacat 180
ttgcctacta ggaatgtang aaaattgaac ttctgatata acagatccca agaccttctt 240
cattcgtgtg gacaacaact tagatatgat tctgtgaaga ctccctanta gtgataaggg 300
taaaaaaatt tgacatagac tatggattct tcttctttgg aattaaagca atacatgaat 360
aaaccacaga tttgggaaga gaagcatnta ggtaaaatc ttgcacacat 410

<210> 15143
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15143

accttgctat cccatggaag ctccctaatat ctcccacact ttttgggggtg ggccattctt 60
ggatggcctt gatcttctca aggtccactt ggaccccat tctaccaact acaaaaccta 120
agaagactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
tcctaaggac tgaaagaact tgcttgagat gtcctaagtg atcatctang ctccctactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc attaagacat 300
gatgcataag cctcataaag gtgcttggtg tgtagtgag cccaaaaggc atcactagcc 360
attcatacaa a 371

<210> 15144
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15144

ntttctctgt acacctacat tcctatacac aaaatatttt ttctctatat ccacacgcat 60
tgaacaactc tttctcttta taccaacatg gtctatataa aacctctatt cctttttcaaa 120
gatttctttt tcttttttca aatatacact gtatttata ccaaaatttt cttctatata 180
actcatlgt catatacaag aatttctttt cacacattgt ttatatacaa aaaatccttg 240
cacacatgtg ttatatacaa aaactcttat cacacatttt tttatataca acaacccttt 300
tcacacattg tntatataca aaaaatttct tttcttttct ttatatacag atatgacatt 360
ttggt 365

<210> 15145
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15145

taacacactc tccactgttg gtccttattt tattgagaat tataaaatca gaataatgac 60
tcatcatatg agtagttgga cctgtaaaaat ttgtgatttt taagaaattt gagccaacaa 120
aaaagagtgt tcaagagaat gtgtagaga cagtgttgct accattttctc tgtttaggaa 180
tggtgtttgt agttattagt gaaaatagaa atagaaaata ttttccttat gtcaaacagg 240
cttctgcatt actattttta gtttttacia cattatgata gatcattata ttttttttct 300
ttctctaaaa caaatgattt gtttattgtc ttgnggtggt gtatataaaa actgatcaac 360
acantttact tttctttttt tgctgttca ttccaatgta caaatgattg gcttatgatg 420
caacaaaatc t 431

<210> 15146
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15146

aagcagnact ccttgggcct gagatgctac aacaaattac cgaacaagtg anattgattc 60

gagagaaaat agaagcatcc caggataggc agaagagcta ttatgaccga aggacaaagc 120
 cattagatctt tctagaagga gaacatgtng tttttaaggt ttctcctgta actggagtcg 180
 gaagagctct caaatctagg aagctgacgc ccaagtatct gggtcctgtat caaatnttga 240
 agaaggggtgg gcctgtagct tatcaaactg ctttacctcc gagcttatcg aatttgcacc 300
 ctatgtntca tgtctctcaa ctgaacgata caaccggat ccctcactg tctctgccc 360
 g 361

<210> 15147
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15147

atgcctaate atttccaatg ttatttttat ctctactgag ttttaaaaga ttggctaaga 60
 ttttgtaa aa acataagcac ttagacaatg aaggaaagct ggagttgctg cacatgatgt 120
 ccaacgttat gtcaaggaat aagatcgggc tacacaatgc acaaggcaag ataaaatgtc 180
 aaatgaagaa ttgaagttgc aggatccacg atgtcggata caatgtcctg acatcctgcc 240
 cgaanatact ggagttgttg cacaatgcat aagtcaagat aaaatgtcaa atgaagcatt 300
 gaagctgcag gatccacgat gtcggatacg atgtcctgac atcttgccc anaatactgg 360
 acacataaat ctgttatatc ttttaacagat tattgtgcag ttagcaaaag attagatgat 420
 ctatcttt 428

<210> 15148
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15148

catggaagct cctaatactt cccacacttt ttaggggtgag ccattcttgg atggccttga 60
 ttntctcaag gtccacttgg acctcatttc taccaactac aaaacctatg aaaactatat 120
 tatctacaca aaaggtacac ttctctatat ttcatagag ggtgtttttc ctaatgactg 180
 aaagaactag cctgagatgt cctaagtgt catctangct cctactgtac actaaaatat 240

catcaaaata aacaactaca aatctaccta tgaaatccct taagacatga tgcac 295

<210> 15149
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15149

aactcaagct tatgggaagg cccatttgcc tgagagagct gtgtacttgt ttcacagaat 60
 gnggggtgag tngcagtgc aacaaaccgt gaaatcattc aattctgttc tcaatgtgat 120
 tgggtcaagag ggtctcttca atcgtgcatt ggagttttac aatcatgttg ttgcatccaa 180
 gagtttgaac attcacccta atgcactcac ttttaatttg gtcattaagg ccatgtgtag 240
 gcttgggttcg gttgataaag caattgatgc ttttagagag attccactca ggaattgtgc 300
 tccggataat tatacctatt cgacattgat gcatggggtg tgcaatgaag agagaattga 360
 tg 362

<210> 15150
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15150

tactcaagct ggtcccaacg ctntgttcag gctctcccaa aatctagatg taaacctagt 60
 atctctatca gacactatgc tagatggcac accatgtaat atgacaatct cactaatata 120
 cagagaggtc aacttttcca aggaaaatat gatattaatg ggaataaagt gagcagactt 180
 ggtagcctg tcaacaataa cccagataga atcaaacct ttgggggttc taggtagtcc 240
 tacgacaaaa tccatagaaa tattgttcca tttccactgg gtatctccaa gggttgtaac 300
 ttccctgaag gtctctgata tcttagcctt ctgacagact aaacatgcat acacaaactc 360
 actaacctct ctcttcatgt tgggctacca aaacatcatc ttcagatctt gatacatctt 420
 ggtagcacca ggatggatgc tcaaactact cctatg 456

<210> 15151
 <211> 377
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15151

agcttaacat tcaatttcgg gactcaatca gacatcggtt gaattgctat tagcttttca 60
ttcaatnntg agcatctcac tatattacgg gactcaatca gacatccgag taaaaagtta 120
ttgtcggttg aattgggtca taggttcaac attcaatttc gacgcgtctc atataatagc 180
ggactcaatc agacatccga gtaaaaagtt attgtcgatt gaatcggatc agaggggtcaa 240
cattcaattt tgagcgtctc gatatacgaa ggaactcaat cacacatgcg agntaaaagc 300
tattggcggt cgaatatgct cagagcttca atcttcaatt acgagcgtcc ctttatatta 360
cgggactcaa tcaatca 377

<210> 15152

<211> 363

<212> DNA

<213> Glycine max

<400> 15152

tgtctgtttc agaataaaca taaaacatcc tgtcactatc ttttccagaa cgagcaaccc 60
caaaatcgaa aggtaatctt gggatttcag tccatttatt tgacacagaa tcatatattt 120
ctccagagtc cagagggtca tccaagatc ccagacctcc aacagctatc aacaaaaatc 180
ttttactgcc ctttgagctt gaatgctcac ttttttgctt aaagaatttg tatgtctttc 240
gactgggcag agacaaagct tcagtctcat taaaagcagg tctgcaatgg cgtctcattg 300
aaagcttgtg gggatcctca tatacgtctg aaacccacc aatccttgat cttggaaaac 360
gtc 363

<210> 15153

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15153

tactaagctt ataatatttg ctttgtgcac ggcagacacc ttctttctgt anttttgtaa 60
gcatactcga atgcatatgt agcaattcgc tctgaacaaa actttgttat tacctagtaa 120

aatatgagta tcaacagcaa acataaacc atactgcac aagacagtat caaggtgata 180
ccttcacgac atatatacat caaagatcac atggaaaaga agaaaaaaaa ctggatagaa 240
attccaagcg aaaagaactt tacataaaat gaattagccc tcttgaaatc ataaaatata 300
ggaataccia atatgttcac tttcttttgc tagcacgata gggaacgttn tgctaacata 360
tcaccagaaa acaatcatta tttycaaaag ctctctaaaa aaaaatuaaa acaagttat 420
tatctatagc aagctgaatc attcaactgg taatata 457

<210> 15154
<211> 227
<212> DNA
<213> Glycine max

<400> 15154

ggcttgcttg ctttggttc aattgctgga acacagagct gccactctcc tcaagaaaag 60
gatgtagaat ctgaaattct gataccaatg acagatgtcg taccggatgt cacgacatca 120
cgcttcagaa catgcagatg atatttgaca gtttgaacag attaaacaag ttaataacac 180
aagagaattg ttaaccagc tcggtgcaac gtcacctaca tctgggg 227

<210> 15155
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15155

tcgaagccct ctgtttaagg ctgaggctcc acacctttct ttggatacta tctgctgagt 60
ctgcttcctt caatcgactg tctgtggagc ggcatacaa gtatcgccct gtttaagggtg 120
tggaatctga acttccgcgg cagcagtgtg tggtttactt ggatctgaag cgggaggagt 180
gcaccaatnt gttcccatct ggccgagtat attcacaggc attccattta ngtggacaag 240
gggtgctctt atcagcacat tgcaacatgg accaacagag ctctttccat tgctttggcc 300
tgtttctatg aatgcangat aagggtcag ttagctttgc ccgtgactat gagtttgctg 360
ctatgtcaag gccaacagag gaatttgta gcaagtacaa aggcaattat gtattcact 419

<210> 15156
<211> 368

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15156

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ctggcgggac atcttgactt gctttgcaaa ctgactttat acactttatt ctgcottent 60
ctattggcag attgggaatg cctctaacag cactttgtc aatgatttc ttcagccac 120
ttaagtgcag atgtcccaat cttgatgac atattctgac ttcattctc ttggaggata 180
gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtaacagttg tcttttgatc 240
tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactntgtga 300
agtttacatt gaatccttca tcacacaact gactgatgct gatcacgttt gcagtcagtc 360
ccttcacc 368
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<210> 15157
<211> 259
<212> DNA
<213> Glycine max

<400> 15157

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atccttggcc cccttagaga ttttgtaaag atgtctgcta gttgatcatt agaactaacg 60
aattcagtaa taacttcctt agaaaggact ttctctcgga caaaatgaca atcaattcaa 120
tatgtttaag tctctcatgg aatatgggat aaaagctata tataggactg tctgattatc 180
acaacatagt ttcatttgtt gagtatttcc aaacttcaac tcttgaagtg tttaatccca 240
tgagacacat gtgactaca 259
```

<210> 15158
<211> 360
<212> DNA
<213> Glycine max

<400> 15158

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ttttgaagat aacatcatgg atcaatgtat ataccagaag gtcagtggga gtaagatttg 60
ttttcttgat ttatacgtgg atgacatttt gcttatgact aatgataagg gtttgctata 120
tgagggtgaaa caattcttct cgaagaactt tgatatgaag gatatgggag aaacatctta 180
tgtcattggc attaagatcc atagggaaag atctcgaggc attttggggtt tgtcttaaga 240
```

gacttatatc aacaaagttc tagagaggtt taacatgaaa tattgttcac caagtgtagc 300
tcttattatg aagggtgaca aacttgattt gagccaatgc cttaaaaaat gattatgagt 360

<210> 15159
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15159

ntganaatat aatatcttga tttctaaaaat acttattttc tctccccctt tgtaaacatc 60
aaaaaggcca aagtgcgcaa aacatgaata atttaatcat acacaaagca taatttgtaa 120
aacaacata aaagattctg aacatacat aaagaaaaac atgaataaaa ccaaattgaa 180
atgcaaacca cttagtcata taacacaaac cataaatatc atgttcagtc atactaagca 240
aatattaaaa gaaatactaa gttttcaaat gtcataataa tatagccaaa tacacggcta 300
gaaaacaaaa tactaataat aatagtaatg tctaaactga tagtggtggt ggaggtaa 360
taagggagtc acgaatgatg gtgaaatctt cttcaacctt tgtgacctt gagtncattt 420
cgtcgaatcg cgtgtccact 440

<210> 15160
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15160

tcttgctatt gcaagtacca gaatggtggt tctcagtat attgtttggg agcatggcgc 60
tctccttgct aatgggcttt gtgtggaaaa cggatgtgca actgccatgg tggggtatgc 120
tctttgcttt tggtaggct tttattgtaa cccttcctat tgggtgtcatt caagcaacta 180
ccaaccaggt accatctcca ctattattnt gatgcagagt gggaagcaat agaggtttaa 240
cattttaaca cttttttttt ttttg 265

<210> 15161
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15161

tactcaagct tagccctaga ggggatgaac cttttcagtg ttggagagga tcaataacat 60
ttcctatang ttggacctcc cagaagagta tggagtcagc atcactttta acattttctga 120
tntaatlcct ttgacaggtg gagctgatat tgaggaggtg gaactaacag atntgaggtc 180
aaatcctcct caggggaagg ggatgatgca atccttccta ngaagggacc agtcactaga 240
gccaagagca agaggctcca agaggattgc gctagagctg ttgaagaagg ccctanggtt 300
ctcatgaacc tcanggtaga tttcggagcc catgggccaa ggttgagtcc aattatctnt 360
gtgcatatta gactaggatg tcattatatt cgatccttgt gtttaggact ccataatgta 420
ngtagggtat cctagaaata t 441

<210> 15162
<211> 374
<212> DNA
<213> Glycine max

<400> 15162

tgctcaatca gcccctaactc ttctctatgc ttttgtttta ttctcactgc aacactatag 60
gattctttca acctctcaag tgcaaggata agcagcttgg tatcatgctt atatgataaa 120
ggtggaaagg gaatagggga gaacttccta tattccaacc aatgtacagt tgttgatatag 180
atagcaacag cttcttcagg agtaacatat ggaccatcta tcaaataatt gagtggacgt 240
tcctgaaaca cgcacaaatg atgacgaagt gacttcaatt attaaaatgt ctatagaact 300
aattcaaaca acatttcggt caaaatagtg agcctgcaaa ggaatcatat caatcataga 360
gaacactgaa caca 374

<210> 15163
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15163

ncgctattgc atttcgagcg tctggacata taacgttatt ttatcataca tccgagttaa 60
aagtgattgt cgattgaatt tgctcagagt ttccacattc aatttcgagc atctcgatat 120

attacgggac tgaatcagac atccgagtaa naagttattg tcgtttgaat atgctcagag 180
 cttcaacatt caatttcgag cgtctagata tattacggga ctaaatacaga catccgagta 240
 aaaagttatt gtcgtttgaa tttgctcaga gtttcggtat tctatttcga gcgtctcgat 300
 atattacggg actcaatctg acatccgagt aaaaatttat tgcgtttga atttgct 357

<210> 15164
 <211> 253
 <212> DNA
 <213> Glycine max

<400> .15164

caataccttt ttacaggaat gtctgattga gtctgtcat atatcgagac gtcgaaatg 60
 gaatgttgaa tctttgagcc aatccaaaac gacaataact ttttaactcg gatgtctgat 120
 tgtgtccgt aatataacga gactctcaaa attgaatggt gaagctctga actaattcaa 180
 acgaacaata acttttaact cggatgtctg attgagtcct gtcatacatc gagacgctcg 240
 aaattgaatg ttg 253

<210> 15165
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 15165

actcaagctt aacattcaag tttgagcgtc tcgtaatat actgtacttt atcatacatc 60
 cgagtaaaaa tttattgtcg tttggattgg ctcagagatt caacattcaa tttcgagcgt 120
 ctccatatat tacgggactc attcagacat ccgagtaaaa agttattgtc gtttgaatta 180
 gcttagagct tcaacaatca atttcgagtg tctcgatata tcacgagact caatcagaca 240
 tccgagtaaa aagttattgg tcgttgaatt ggctcagagc ttccacattc aattttgagc 300
 gtctcaatat attacgggcc tcaatcagac atccgagtaa aaagttattg tcgcttgaat 360
 tggctcagag cttcaacatt caatttcgag cgtctcgata tgtgacgaga gtcaatcaga 420
 catccgagta aaaagtatt 439

<210> 15166
 <211> 239
 <212> DNA

<213> Glycine max

<400> 15166

tgttttgatc cagtgcacatt attacaacaa caatagtcct acatactaca tgcccttata 60
gtttacaaga tgtgtcaact ggatccaaaa ccatagcaga gaagaatgta aataacatgt 120
gddadadad cggacccccc caatcgccaa catgaatttg cagcgagaga cgggggtatg 180
cactataagt glaaaaccaa gaaccggatc agaaatgtag aatgatctcc tgtgatact 239

<210> 15167

<211> 407

<212> DNA

<213> Glycine max

<400> 15167

ggtttgctgc gattttgatt cttcgagaat aagaagggaa cattataaat aattatatcc 60
tccgatttaa aattaatctt tgagttatct gcttacataa tttataataa caatggttca 120
aattgtataa ttgttaattg gaataattat aattaatgat tctatctaata tgactaaatc 180
attgctccat gtttaaactt taaatgatgg tatttatata tttatcttag tttaaattaa 240
tcttacgttc cattatacaa atatatatac aattcttttt tgaccaaatt ccagagctaa 300
gtcttgtttg tcactaactc actataattg aagataacat gatgaatgaa ataaaaacat 360
actatattct taatacattg gtgctttcaa tcaactcataa cttttga 407

<210> 15168

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15168

tttggcatgg atatagctcc tatgttatgg taacacacta naattttgtg aatatttgca 60
tgtcagtatt ttcaccttg tatgttctaa atgagatata taatctaaga atatgagttt 120
agaatgtgca gaagcaaaaa tatatggctt gaagagggtg acaaattatt aattatgttc 180
atatataaca ctatatctat catgtttaaa taggttcttg aactatattt attgtttaat 240
taagtccta ttggatcttt gttggaccac aagttaaaga atcctatact agaattaata 300
cactaataac taataatctg gaaaaagttc aaaaacctgc tgaataatta aactttgtta 360

atcatatcgc attgtgtatt atatttagac ttactctca tttctcttct ctataaatat 420
ctaataacag aggtgtacaa gaacttggg 449

<210> 15169
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15169

gctgccactc tctcaagaa aaggatgtag aatctgaaat tctgatacca atgacagatg 60
tcgtaccgga tgtcacgaca tcacgcttca gaacatgcag atgatatttg acagtatgaa 120
cagattaaac aagtaaataa cacaggagaa ttgttaaccc agttcgggtgc aacgtcacct 180
acatctggng gctaccaagc cagggaggaa atccactana atagtgttag ttcgaagatc 240
taacaaccac tgtttacaac cttctcacct aaccactacc catgcaacct ctacctaaga 300
gccactctta gatatgagaa cacctctcac tccctctcaa tcaactctcc gtggttacca 360
ataaatcana gacacac 377

<210> 15170
<211> 160
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15170

gaccatggga gncctcaaga gcttccgttg ttcaatttcg agcttctcga tatgtgattt 60
gcctgaatcg gacatccgtg tgaaaagtta taccaattga atttctcaag agcttccgtt 120
gttcagtttt gaacgtctcg atatgtgatt tgctgaatc 160

<210> 15171
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15171

ttcatgcaag ctttgcctta ntttctaaga gctcgacaat ggcgggtgtc ggaaaccgat 60

caccgaccgt gattgcattt aaagctctgt agtccatgca aaagtgccat gaaccatcct 120
 gcttgcgaaac taggagcaca gacaagaaaag gtccttttcta gagcattgat tcaacctgcg 180
 attcaatctc atgtttcttg taatgtggat aacgataagg ccgtacgttg actggcgag 240
 ctgcggcag gaggtggatg tgggtggtctg tatccaggcc ggtggcactg aataaagggg 300
 cagatcccat gcaagaaact gacacatcta agatgggacc cgggggtggg ggaacatcc 360
 catctggggg g 371

<210> 15172
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 15172

tctttcttga agactaactg gatgcgtcgg tcaacttggg aaccagctg gccttgaatc 60
 acaaactctgt acctgtcgca agggtttctg gtttctgctc ctctgctgac caccatacag 120
 acctttgccc ttccatgcag caacctggag caattgagca gactgaagct tatgctgcaa 180
 atatttacia tagacctcct caacctcagc agcaaaatca accacagtag agcaattatg 240
 acctttccag caacagatac aacctggat ggaggaatca cctaacctc agatgggtcca 300
 gccctcagca acaacaacag cag 323

<210> 15173
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15173

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 caccttacga cctgaagcgg tacaacaaac caccgagaag gtaaagttga tccaagaaag 120
 gatgaggact gcttagagta ggtagaaaag ttatcaagat aagaggagga aacacctgga 180
 attcgagggt ggtgatcatg tattcttgag agtcactccg tggactcggg ttgggtcgagc 240
 attgaaatct cgaaaactca cacctcattt tataggtctt ttcttggaat tcaaaatgac 300
 atctcctttt agtagaatct gaaacacccc tcagcccttt atgttttgac aaggggtatt 360
 gactccgaat gttgtcatta accttatttc tganaatcta tactaaatat cctttaattt 420

<210> 15174
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15171

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agcttggctc tttggcatca naaccttctc attcttaagt tcttcaactt ttaaatagac 60
atttcgggtca agtaagtgtt tttctgaatc aaacagatca aacttgatct tctgatcatc 120
tatgccccgtt tccagtttac cctttctcat atccaccaca caatcggcgg ttaacatgaa 180
gggatggccc anaatcaagg gaattttanc gtctcttcca atatccatta caacaaaatc 240
tacagggaaa gtaaaatgtt gcaccttaac cacaacatct tcaattatgc cataaggcct 300
tgtaatagac cgatctacaa gttgtagtgt cattctagtt ggcataatct ccaactcttc 360
aattctctcg cacatggaga gaagcatcaa atgtatat 398
```

<210> 15175
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 15175

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tcttcttcag catcttttct tggctagaaa catgctctct ggcaagtttc ccttggagtt 60
actcaactgc tcttcaatcc aacagttgga cctttctgat aacagctttg aaggagaact 120
tccttccagc ttggacaaac tgcagaacct cacagatctt gtgctcaaca acaacagttt 180
tggttgatct ttaccttctg aaattggcaa cattagtagc ttggaaagtc ttttctatt 240
tggttaacttc ttcaaaggta atattccgtt ggagattgga aggctgcaca gattgagctc 300
cctttacctc tatgacgacc agaattctgg acccatacca atggagttac caactgccaa 360
gcttagaaga agtgacttct ttgaaatcac tcacatggct cattccaaaa cta 413
```

<210> 15176
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15176

tttcttgtat gtgtttacat ttcaagtgc tatatagctn tagcccaaca cttgttttga 60
 tccagtgcaca ttattacaac aacaatagtc ctacatacta catgccctta gagtttagaa 120
 gatttgtcaa ctggatccaa aaccatagca gaaaagaatg taaataacat gtgaataaaa 180
 acctgaccaa ccaaattgca natatgaatt tgcctggggaa gaaaagggtg gtcagtataa 240
 gctgtataacc aacaaaccgga tcaagcaagt agaatgtctc cctgtgatac tgttgag 297

<210> 15177
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15177

cggacttctt gtgttctgag aacctctctt ttctcaagtg tactttaacc caatcacctg 60
 gttcaagcac gactgtcttt ctgcttttgt tggcttgctt tgcatagtct gcatttttct 120
 tttcaagttg agccttcact tgcctttgca acttcttcac atactcagct ttagcctgtg 180
 catccttatg cttaaacata gcaatgtagt gcatagccaa caaatcaaga ggagtcaaag 240
 gattaaatcc atacattatc ttaaattggtg aacaattagt tgtgctatgg acagcccgat 300
 tataagcaaa ctcaacatga ggcaaacagg cttcccaaga ttttaagattn ttctttaaaa 360
 caatcctaag cagtgtgcct aaagtcctat tgactacctc agtttgacca ttagtntgtg 420
 ggtgacaagt agtag 435

<210> 15178
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 15178

gtttgatcag cgaactcata atggtgtacc tgtcgagtaa gactccttct tatctgcaca 60
 accaaattat tcaagcacag tcgataatat agaagatgga actatcacia ttagtattcc 120
 ttcaaagaat gggaaagggc gtccatcctt taacttcaac aaagtctttg gaccatctgc 180
 atcccacagt tggtttggtt ctcaagttca gctatctcca acatcactat aatttagtaa 240
 atattgaaca aatttcttct cttgtgttca acggacgtct t 281

<210> 15179
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 15179

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tgcttctcgt ctattatgag ccggaacggg acatccattt gaatagttta gaccatttga 60
attcttcgag agcttcctgt gttcaatttc gggcgctcca acatattatg cycccgaaac 120
ggacatccgt ctaaaaagtt atgccatttg aatttctcga gagcttccgt tattatattt 180
ttagcatctc gatatgtgat gcactctaaa aagttatgcc atttgaattt ctcgaaagct 240
tccgttggtc aatttttagc gcctagatat gtgatgcact ctaaaaagtt atgccatttg 300
aatttgctga gagcttccgt ggttcaattt ttagcatctg gatatgtgat gcgtgtgaat 360
cggacattcg actgagaagt tatgaccatt tgaatttct 399

```

<210> 15180
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15180

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agcttctaga tgatttatgt ctgcgaatcc gacatgctgt gagaagttat gaccatttga 60
atatatcgag cgctgccgaa gttcaatcac aagcagcata gatatgcgca tgtactcaga 120
ttagacatta gagcgaaatg ccatgaccat ntctaataga gctgagagct atccgatttt 180
taatcatcta gcgtctgaga tgagttatga cacacgaatc gacacatcta gagtgaacaa 240
gagctgacca ttgcgaattt gtcgagagct acatatgtga atctctcaac gtagagatga 300
cttatgaatc cgaatagaac atccgtgtga aaa 333

```

<210> 15181
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15181

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atctctaagt cacctgcagc atgcaagctg tcctttttga canatactcc ttaccaata 60

```


gaatccatct tggccctttt tccacaactc tcgtanatgg gagagaaaat gtcattctaaa 120
 gcataccaag tectaataatt atcaaatnct aaaaattgag ctcccttagga gaaaaacaat 180
 gtgtgtctcc tagagacggc atcagctacc acatttggtt ttccattttt gtatttgata 240
 acatatggaa atntctctan gtactctacc cattntgcat gccttttggt taactntctt 300
 tgccctctaa tgtacttcag tgattgatga tcaactatgaa tgacaaattc ctgggaacaa 360
 aggtaatgtt cccaagtntg gagggctctt attaaagcat anagctcttt atcatagatg 420
 ggtagttgag agtggtccca agtaatgt 448

<210> 15182
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15182

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 gctccgaaca aagggtggagt atggaggatt tcttgaggg tccgcgctta agcaatcatg 120
 aaaccagct ccaaactcga aagtggagga cacatgaaca accctaagca ataacattca 180
 tgtggctccg gaacaggatg agaatggagg attgccttga gggtcctctc ttatgcaatc 240
 atggaacaca gctcccagct caaaaatgga ggacacatga acagccctaa gcaataacat 300
 tcatgtggct tcagaaaaag acgacaatgg acgattgcct tgacggtcct ctcttaagca 360
 atcatggaac acagcctcaa gggtcaaaat g 391

<210> 15183
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15183

agcttttgca ttctggaatc attnatccta tcttcgatag cgaatgggtg agtcccgtcc 60
 aggtagttcc aaagaaaacc ggtctcaccg tgataaagaa tgagaaggat gagctgattc 120
 ctactcgggt gtagaacagc tggagagtat gcatcgacta aaggaggttg aactaggtta 180
 cgcaaaatga cccatatcca ctgccattca ttgaccacat gcttgaacgc ctagcaggta 240

aatcttacta ctgcttcctt gatggtcttt catgtcacat gcaaatact attgctccta 300
 aggaacacga gaagatcaca ttcacctg 328

<210> 15184
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15184

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 ctaagctcac ctcccttgaga tgagaagcta gagcttagct acacacccca tatagtagct 120
 aagctcacc ctagacaaa atacatgaga atacaaaaaa aatccctact acaaagacta 180
 ctcaaaatgc ctcgaaatac aaggctaaaa cctatacta ctagaatggc caaaatacaa 240
 ggcccaaagt aaggaaaaac ctatttcta atttacaaag ataagcgggc tcatacttag 300
 cccatgggct cgaaatctac cctaaagctc atgagaacct tangggcctt ccttggatct 360
 ctgaccaat ctacttgag tcttcta 387

<210> 15185
 <211> 321
 <212> DNA
 <213> Glycine max
 <400> 15185

gcacgttctc tccttcagag gactacacgt tctcaccttc agattactac acgtgctcgc 60
 cttcagagga ctacacgtcc tccccttcat aggactaaaa gtcctccctt tcagaggact 120
 acacgtccac gccttcagag ttctacacat cttcgcgctc agagggctgc acgccctcat 180
 cttcagagga ctacacgtcc tggccttcag tgggctacac gtcctctcct tcagaggact 240
 gcacgcctc acctttagag gactacacgt cctagcgctc agaggggtta acgccctcac 300
 ctttaaagga ctaaactgcc t 321

<210> 15186
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 15186

agcttgttgt ttttaagatt acatctatac aaaggaattt ttgatggggc agcctccaag 60
actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaaggtg 120
ggttagggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180
agttggcaaa taatcagaat cagttggggg ccaacattct attgtgtaga taaggtggtt 240
ggagggattt gattctcat atgaacatgca gtttagacac tecttggtyg aaagacctca 300
aggttatctt caagcagcag caaagcaaca caatttgtaa aaatagctct attttgccca 360
tangtaagga cgggccatgg aatacaaaacc aagtacttat tggcttgcaa caaaaaaca 420
ctcattgga 429

<210> 15187

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15187

agcatgactt acgcctatta atctttgttc ggttttgaat gcaagagggc atgaatatta 60
tgacatgttt gagaggtttt ttattacaat ttaaattggc tgcctcatga ggaatacctt 120
gcacctatgt agcatggaaa atacctttca atgggatgta tatatgtgaa tatatatagc 180
atggaaatgc cttgcaaagt gtgtgaatat atggcatata tataccttgc aaagtgtgaa 240
tgtatagcaa ataatgaatt tcaaaaatct gtatatgtaa gataggtagc gtaaaaaatg 300
cctttcaaaa tatgtatatt tgtgggtagg tagcataagg agcctttcaa acaaaatgta 360
cccatggcaa anatggcacg agaatgcttc ccaaataaat atatgatg 408

<210> 15188

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15188

agagatgant gaaggagag gaagagaaga gtttgaaatt ttgtgctcta aaaaagctct 60
gaaatctgag gtttattatt caaaggatca aagtggaaaa aaggccacac catgaccttt 120

tttatagcct aagtgtcacc caaaattgga gggaaattga aatttcaatt caaatttcac 180
 tttgaatttg aaattgattt tgtggaacca aacttggagc caaaattcac taatatgatt 240
 agtgaatttt agtatgattc agcccactaa tccaagattc tccactaagt gtgcttaggt 300
 gtcattgagac atgtaaagca tgaaggacat gcacaaagtg tgactatatg atgtggcaat 360
 ggngtgtagt aagcaaatgg ctccctccc ctctaaaatt t 420

<210> 15189
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15189

agctttaatt ttcaattacg agcgtctcga tatataacgg gactcaatca gacatccgag 60
 taaaaagtaa ttgtcgtttg aatttgctaa gagctgcggg attcaatttc gagtgtctcg 120
 atatattacg ggactctatc agacatccga gtaaaaattt attgtcgttt gaatttgctc 180
 tgagcttcaa cattcaattt cgagcatccc gatataattac gggactctat cacacatccg 240
 agtaaaaagt tagtgtcatt tgaatatgct ctgagcgtca acattcaata tcgagcgtct 300
 tgatatatta cgggactcaa tcagacatcc gagtaanaag ttatggtcgc ttgaatttgt 360
 ccagagatac aacattcaat ttcgagcgtc tcgatatatt acgggactca atc 413

<210> 15190
 <211> 334
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15190

aataacnntt tttactttcg gatggtcgng aaattgagtc acagtaataa tgtcaaagac 60
 gcttcgaaat atgnnnatac cgaagctctg agcnaaattc ataacgaaca atacctattt 120
 gactcggatg tcggattgag tcacgtaata tctcgagacg ctcgaaattg aataccgaag 180
 ctctgagcga attcatagca caataacttt ttactcggat gtgcgattga gtcccgtaat 240
 atgacgagac actcgggaatt gaataccgaa gctatgagca aattcaatcg acaataacat 300
 tttactcgga tgcgcgattg agtcacgtaa tatg 334

<210> 15191
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15191

agctatccta cgcattcccg atacangcgc atagcgigtg gagactctag anatttaace 60
 aacgaagctc tcgagagatt cacatgggtc taactttttc ctgcgatgtc cgatacaggc 120
 gcataacata tcgagacgct tgatattgaa caactgattt tctcgagaaa ttcaaattgg 180
 cataactttt aactcgcgtg tccgattcaa ggcataaca tatcgagacg ctgcacattg 240
 aacaacggat gttctcgaga aattcaaatt gtcataactc ttactcttca tgtgcgagtc 300
 aagcgaataa cttatctaga cactcg 326

<210> 15192
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15192

agcttgtaat tttattntcc ttgctagaga tcaatcaaga gccctcctac ataaagggaa 60
 ggctctccca aaataattgg aatntcctaa tcctccttta tgtccatgat cacaaaatca 120
 gcttgaaaaa tgaatttacc aactatgata agcaaattct ccaactattcc tttagataa 180
 gtaatagttt tatctacaag cacaagagaa atgttaattg gttgnggttc ttgtaactcg 240
 aacttcttat aaacaaaata aagcatcaaa tcaatgcttg caccaagatc acataaggct 300
 ctatcgantt tcagctccca tagtacangg aatgaaattc catgattgtg acttagaggc 360
 atttctttta actatataag cattctcatt gagccactgg gaaa 404

<210> 15193
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15193

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gttcaagcac gactttcttt ctgcttttgt tggcttgctt tgcatagctc acatttttct 120
 tttcaatttg agccttcact tgctcatgta gttttcttcac atactcagct ttagcctgtg 180
 tgtccttatg cttaaacata gcaatgttag gcataggaaa caaatcaaga ggagtcaaag 240
 gattaaatcc atacactatc tcanatgggtg aacaattagt tgtgctatgg acaaccaat 300
 tataaggcaa ctcagcatga ggcanacatg cttcccaaga attaagactt tctttcaaaa 360
 cagtctaag cagtgtgctt aaagtcctat tgactacctc agtttgacca ttag 414

<210> 15194
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 15194

ctgcaaacat ttatcgtaga cccctcagc agcgaaaact tcaattgtct taaaattatg 60
 acctcacaag acacagatat aatccaggtt ggatgaatca tccaaatctg agatgggcaa 120
 gtctccaca acaacaacag tttagccctc ctttccagaa tgtgctggt ccaagcaagc 180
 catatgttcc tcttgcaata cagcatcagc aacaacagag acaacaagca actgagaccc 240
 ctctcaacc ttccttagaa gagatagtga ggcagatgac catccacaat atgcaatctc 300
 agcaagagac aatagcctcc attcatagtc tgacaaatc 339

<210> 15195
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15195

ctaaagtccc gcttcttcac tcagctgttg tgtgttaatt attaacttgt tctttcctct 60
 tttttatcta ctccggtaca gatgtattcg tggagctaaa ttaaatctg aagatttaga 120
 ttgcatggtc ttaagttcta tctattctga ggtgatgatg atgaacaaac aagtttactg 180
 ctataacatc cagtcaggca gtgagcatga ggtactacaa gagatattaa gcactgttgg 240
 atggccataa aagcaaaggc ttttatcttt ttttttcttt tcttggtnta taattattct 300
 gcaacacaat atgtacatat atgtgttgta gatgctctgg aaatgacctt ctttgctctg 360

aaaggtcctc ttaaactatc gatttacact gatag

395

<210> 15196

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15196

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ttttagttca tgggaaaact gcaattggaa ggattgatga tgattctggt tgtgcaactc 120

tggattgggt gcctcctcag aaatgtgact atggaaaatg cagttggggg catgcttctc 180

tgctcaacct ggtatttttc ctttcttttt gtcttctggt tcctgaatcc gtcaaaaagt 240

ttttttttct tttcagaata attagatggg ttttgcttct tccttttatt ntttaattta 300

taaatagcat tctctgcatg atgacgcttt tttttgcctc tttagaatga tgctcgga 358

<210> 15197

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15197

agcttcctta ttnatgattc ctaaagaagc tagagcttag ctacacatac ctctctaata 60

gctaagctca cctccttatg atgagaagct agagcttagc tacacacccc ctataataac 120

taagctcacc cccatggcaa aatacctgan aatacaaaan aaaatcccta ctacaaagac 180

tactcanaat acctcgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240

aaggcccaaa caaaggaata cctattctaa tatttataaa gataagcggg ctcatactta 300

gcccattggg tcaaaatcta ccctaaggct catgagaacc ctanggcctt cccttggatc 360

tctgacccaa tctacttggg gtcttctatc caatgccctt gc 402

<210> 15198

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15198

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aagacatgga gtctcacaaa gctaccaata gtaaagaaag ccatagcagt aaaatgggtc 120
tacaaaacta agttgaatcc tagaggataa gtaacagagt tcaaagccag actgagtgca 180
aagggalltc tgcagaagca aggtctggat tatgatgaag tatttgctcc tattgctagg 240
ttggaaacag ttgacattgt aatagcaatg gctagctata attgttggg aatgaccaa 300
atggatgtaa aatctgcac tcttaatggc tcaactataag aagaaagttt tgtcactcaa 360
ccact 365

<210> 15199
<211> 241
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15199

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ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagtg tcccaatcac 120
actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa cgtcaagatc 180
tcaccagtac ggaagatcaa agaanatgga cctcttcttc catatgcaac tctgactttt 240
a 241

<210> 15200
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15200

naagctcatt ttttgttttc tcaaaaccac aagtgccccg gctaattccc ccaccaaaaa 60
caccatttgt tcccagagat atgggtcttt agggatgaca acaggttgag gggctctctga 120
tcatgcacaa gttacaagag acaagcccaa accagtgagg gtatcgaaga tggaaccagc 180
atagcaacaa gacattgcta cttgagcacc ctctgggtcca ccatttaaag ccatcgtaa 240
gtttgtcatc aaatcccaa gtgagttccc ccaagccagg aactgttagc tcaagattga 300
aggacttatt ccacatatgt 320

<210> 15201
 <211> 184
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15201

ctgagggcaca agagaatcga cagaataacc atgtccttata ngtccatata agtccacccc 60
 gnatgtgtat aagccaccag aagatgaaac agaaattgta tgccgccaac cacaagcaac 120
 catgaccatac ttgtcacact gcaacattaa acaagcaaga attaggcaag gggaggaggg 180
 agag 184

<210> 15202
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15202

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 gctcttagca gttcccattt cccactcca tatctnttgg ttgtcaaagc agccggatgg 120
 ctcttagatt tgtcaaattc agtagcaagt tcttcaccaa ggcttcttcc aacatgaaat 180
 gatctatgtg cctctgagaa ctctctggat gtgacaaatc tataaggctg atctttgtct 240
 gcccagaact gctcctgata cttccatgat gttacctata acataattaa tgggtccaaat 300
 acaatatata actctctttt accagtgcag acagataaaa ttattgagat caatcact 358

<210> 15203
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15203

agcttgaatt gatcaacgga agtctctgag aaaatcgagt ggtcataaat tntcacacag 60
 atgtccgatt cggggaaata atatatcgag acgcacgaaa ttgaacaacg gaagctctcg 120
 agaaatttga atggtcataa catttcactc ggatgttcga tccggggaca taatttatcg 180

agacgctcga aattgaacaa ccgaagctct cgacaaatta gaatggctgt aacttttcac 240
gcgaatggtc gattcgggga cataactcat ctagacgctc ganattgaac aacggaagct 300
ctcgagaaat tngaaatggt catacgtttc acaccgatgt ccgattcggg aacataatat 360
a 361

<210> 15204
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15204

agcgatgcan nagcttctac tttttcaatt nntgagcccg tctcgatatg atgacgaaga 60
cnntcaatca gacanntccg agtaaaaagt tatttgctgt gtttaatttg gctcagaagg 120
ttcaaccatt caatgttcga gccgtcgtcg ctataaatta cgggacgtca tatctaacad 180
ccgagtaaaa agttattggc gtttgaattg gctcatggct tcaacattca atttcgagcg 240
tctcgatata tgacgagact caatcagaca tccgcgtaaa aagttattgt cgtttgaatt 300
gtctcagagg ttcaacattc aatttcgagc gtctcggtat gttacgggac tcaatcacac 360
gtccgagtaa aaagctattg tcgtttgaat ttgctcagag attcacattc aatatcgagc 420
gtctcgatat attatggga 439

<210> 15205
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15205

tcaacatcag accacttcca ggggtgttga tctacttcac atgtatatga tggggcctat 60
gcaagttgaa agccttggat gaaagacgta tgcctatggt gttgtggatg atttctccag 120
atatacctgg gttaacttta tcatagagaa atcagaaacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcacagag agaaagactg tgtgatcaag agaatcaaga gtgaccatgg 240
cagagaatnt gaanacagca gggtcactga attctgcaca tctgaaggca tcaactcatga 300
gttctctgca ggcattacac 320

<210> 15206
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15206

cgactcatct tctccitcaa gaggcgcctc tgcacatcct tcttctatch ccattctgct 60
 nccatggatc ttcaagaagc aaaggactcc ttgatgaag aagatccaag gcctacgagc 120
 tccacatagg agctacatca gattcatgtg aattgttaat atagattcaa atgtcctcca 180
 attgtgtgtg acacttaagc tataaataga agccatgtgt gtgcatcttt tcaaattgtga 240
 tcatttgaga attacaattc aaagttcaga cctcatttga tgcatacaat tgcattgcgtc 300
 ttactacct cttcctcaac ttatcttctt ctaccttcaa gctttta 347

<210> 15207
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15207

agctttcata atatgattgc tanagaagct agagctgagc tacacatacc tctctaatag 60
 ctaagctcac ctcttatga tgagaagcta gagcttagct acacaccccc tataataact 120
 aagctcacc ccatggcaaa atacctgaaa atacaaaaaa aaatccctac taaaagact 180
 actcaaaata cctcgaaata caaggctaaa accctatact actagaatgg ccaaaataca 240
 aggcccaaac aaaggaatac ctattctaata atttacaag ataagcgggc tcatacttag 300
 cccatgggct caaaatctac cctaaggctc atgagaacct tatggccttc ccttgatct 360
 ctgacccaat ctacttgag tcttcta 387

<210> 15208
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15208

ggaaaactgc aattggaagg attgatgatg attctgttng tgcaactctg gattgagggc 60

ctcctcagaa atgcgactat ggaaaatgca cttgggggtca tgcttctctg ctcaacctga 120
gatttgcct ttgttttcgt cttctgggtc ctgaatccgt cgaacaggct ttttttcttt 180
tcacaataat tacacgggta tcgcttcctc ctttcatttc ttaatttata aatac 235

<210> 15209
<211> 211
<212> DNA
<213> Glycine max

<400> 15209

agcttgcatt agttgttttt tttcggagag acagccacta tactttgtga acaggattga 60
gaacagaacg actaacaagg tgtttagcat tcgacagtct ggattcgggtg aagatgtgtg 120
gattcatttg caaccactgt cgaccgcca cttttcttgg gaagatccat atgggaataa 180
gtttttacat gcttaactta ccgatgatga t 211

<210> 15210
<211> 334
<212> DNA
<213> Glycine max

<400> 15210

agcttatatc tcaccttcag ctgtccctcc gatctcagcg tcattcataaa ctcatgaagc 60
gatacttctg cccatttgcc attctggaac gcattggcag cgttgcttac cgtttgcaac 120
tacctgaagg gtctcgtatc caccctgtct tccattgttc cttactacgc cctcatcaca 180
gacctcttga cctcccaacc tcttcccttc cggcgggatac ttcttcccca caccctatac 240
ttgagccact agccatcctt gactctcgaa tggacttctc tgtggacccc ccaactcggt 300
tcgttcttgc acaatggggtt ggtcttacta cgga 334

<210> 15211
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15211

tcaagcttgt gtatgaaaca gatgtgatta atctaaaatt acatctctac tgagaagaac 60

tttcctttca gatggtgacc agatcctata gcctttcacc ccatcactat aacccatgaa 120
cagacccttt cttgatctag gtaccaactt tccttcattg acatgataat aagcattgca 180
gccaaatact cttagggttg agtagttctc tgttntgcca ttccagattt caataggggt 240
tttaagtcct atagcagtag aggggtgttct attgatcaga aaacaggctg tattgatagc 300
tcttccccc aactctctg tgagaccagc attagacuat aggcctctg ttccttcag 360
gagtggtctg ttcattcttt caggaactcc atctt 395

<210> 15212
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15212

agcttttata tattgaaaaa naaagctcca agagcttggt attaaaggct aagctcattc 60
ttagttcata atggattcac cagaggaata atggacacca cactatttag aaaggctaag 120
ataggaaatc tgttgattgc tcaaacttat gtagatgaca taatctttgg tgcaaccaca 180
gaaaggatgt gcaaggagtt tcctgagcta atgaaagggtg aatttgagat gagtatgatg 240
ggtagagctaa aattcttctt angtcttcaa aacattcaaa aagatgatgg gatattcatc 300
catcaagaga acacanaaaa cctattttaa aggttttagaa tggatgaagc tagacctatg 360
gctaccctta tgcacccttc cacaatcatt ga 392

<210> 15213
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15213

gtccatctat ggattgaaac aagcctcccg ccagtgggtat ttataaattc atgaggatcat 60
ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga aggtcagtn 120
gagtaagact tgtttccttg tattatacgt agatgatatt ctacttgca ctaatgataa 180
ggttatgcta tatgagggtga aaaaatttct ctacagaaac tttcatataa aggatatggg 240
agaggcatct tatgtcatc gcataaagat ccatagagaa agatctctat acatttttagg 300

cttgtctcaa gaaatctata tcaacaaagt tntagagaga tttaatatga nagattgtca 360
ccaagtgtag cttcctttgt g 381

<210> 15214
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15214

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ctataatcat aacattgcgg attgttttta atagaagcta cgaacaacag tttccatatt 120
gcactattat atctgatatg atatgtctat tcacgaaaat tgattgagag ctcaaaaact 180
agtaacatcg aataataata ggtcacttaa tattctttat tacaacatgt gatatgttta 240
ttctaaaata taaaaaaaaac actaatactt ttaaattatt atattattta aatttgaaca 300
tttcttttaa ataattgctag catatcggat gagtataaaa tataaattat caactagcat 360
gtcgggaagag tataaaatat aaataataat gatagtatgt atcatgagta gt 412

<210> 15215
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15215

agcttgnttt taatccaacc tctcatggta gaagcagaca catagaaaca aggtttcact 60
atcttaggga tcaagtgaac aaagagaaac taaaagtgga gtactgctgc acatttgatc 120
aacttgctaa tattttaacc aaaccctca taggggagaa gtttaaaatg ttaagggata 180
gaattggctt gatgaactta ggagatcaga attaagggag ggtgtganag ctttaattctg 240
tttttgagtg gtgtagattt aattgtacat tggatataag agagtaacag aattttaaaa 300
ttctgttata agtgcctagc ctaagtgtga agggttgtac tctgtttgct tgataaaagg 360
acatacatgc atctaataat gaggatatca ttcattcatt ctc 403

<210> 15216
<211> 400
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15216

atcttcgtta tatattacgg gactcaatcg gacatccgaa gtaaaagtta ttgccgttgg 60
actttttctta gagcttccgt tntcaatttt gaccgtctcg atatcctacg ggacacaat! 120
qqacatccga gtgaatglt attgtcatta gaatatgctg agagcttcaa tttcaatta 180
cgagcatctt catatattac gggactcaat cggacatccg agttaaaagt tattgtcgtt 240
agacttttct tacagcttcc gctttcaatt ttcgagcgctc tcgatatatt acagggctca 300
ataagacatc cgagttaaaa gttatagtcg atagactttt cttagagctt ccgttttcaa 360
ttacgagcgt ctcgatatat tacagggctc gatcagacat 400

<210> 15217

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15217

agctnctatc attatatctc gganagcaat caagatgtga ggcattgtcag tgttggaac 60
cccaatagaa cggaagaact cgagtttatg caaaagggta tactctgcat cctcaagaag 120
caccaaaggt cgtttcttcg caagttttgc aacctgcatt atgtcaaacc catagctgct 180
gagcatatca ataacagcgt ctgggccatc tgggtttgta aaaatgaccc tgtcggagac 240
gaccttggct tttcatggcg gcacccaca tgagttgatg aggtatgaca cagtataggt 300
gtcacctttg tggcggcttc catctgattc agaatcagaa gagctggctg aagtgaatga 360
atagaagaaa acacttgaag cagtgtgttt gagttgcgac agagaacca atgtgat 417

<210> 15218

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15218

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tacctggctc agtttcttgt ctcaattcaa cttatcttgc gaaataactt ctgttcttta 120

tccaggatgc cgccaatgct gctataagtg ctatggttag tgtgataaga ctggactcag 180
 agaaagtcga acaatagtgt gatgcagcca atcacgaagt tcctgaagct gagaagggttc 240
 aaattgccaa ttacctgtgc ccagtaagggt tcttgtgaat ctaccattta taagcttaag 300
 caaaatctgt ttctagatta tatataacca gtagcttggt tggaatgctt gtcttttgal 360
 agggaaacta tgctgtctc 379

<210> 15219
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15219

agcttgtatg atttgcaaga tcatcgctct tgacaactcc ttgaaaatta ttgccatcaa 60
 tccaaagaga tgacaattta gagagtgatc caagactttc anatggattt ccactgaatt 120
 tattaataga gagatagaga tattntaaat ctatctccct tgagttgcgg agatttccca 180
 gaaaagtcgg aattattccg tcaagttgat tatatgacaa atcaagttca acgagagaag 240
 tcaaatttcc cagggcatca gaaatagtcc catgcaagtt gttgtccctt atgttgagga 300
 gcttgagacg atgaagaccg tataagcaat caggtataga agatgagaat gaatttccag 360
 acaagtcaag atcttgaaga agtgtgatgt ttccaatacc accaggaatg gga 413

<210> 15220
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15220

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 taatccctca tcaactaaga aacctctcan acctgcagca ccttaattctt ggatacaatt 120
 atgctcttca gatagataac cttaattgga tatcaaggct atcttccttg gagtaccttg 180
 atttgagtgg ttcagacctt cataaacaag gtaactggct tcaagtactg agtgaacttc 240
 catctctttc agaactacac tnggagagct gtcaaattga taacttagga ccacaaaag 300
 gaaaaatcaa cttcacacat ctccaagtcc ttgactcttc aattaacaat ctcaatcagc 360

aaatcccttc atggcta^yttt aatctcagca cagctcttgt ccaacttgat ttacacagta 420
acctttttaca gggagaaaat ccacaaat 448

<210> 15221
<211> 404
<212> DNA
<213> Glycine max

<400> 15221

agcttgtatt attat^{tt}ttga gcaactacaa atgatcttga tgagatttcg gtgtcgcaaa 60
ttccgcatta cttcacattc tacactaaag ctcccttgatc ccaattcaag gtccaaatta 120
aataatttga ctgcaacaac catcctat^{tt} ggaagtatac ctttgaacac agagccaaaa 180
ctacccttac caagcaaatt actctcatca catccattgg ttgcccgtga aagttcattg 240
catgaaattg tactagatgc taatacagta gatgaactga cttcagcagg atcaccacca 300
ccatgccttt ttcttcgact acttttcaga aggaacacac ataaaacaac caatatgg^{tt} 360
gacaacatta caggcaatat gcattcgatg aaaacatatg tgca 404

<210> 15222
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15222

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aggagtaact ggg^tcttgag gtgccatagc agcagggtgc tttgactgct gccttattaa 120
acttactctt tcattt^gtac caacatgctg actt^ggaagt gacattgaac cttctcacia 180
cactgactga gctgatcag 199

<210> 15223
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15223

atatatattg tgctttgatt accgtgccaa catgtttg^{tt} tggttt^{aa}ac taatgtgcca 60

gcattatggt tgataggtac cctaaaccca attcattnga tgtttctttn ttatatgtat 120
gttctctgac gacaaggtga caatgtgect ttatantttt gttaaaaaat ttattgggtcc 180
aggggtgttct tctgtgggat atggagcaac acaagacctt gacccatttt tagcggacac 240
tgatggcagg ggccttanet tcaat'aactt t'ctctggaac aaaggtanga aacgtgaga 300
ctangaccac aaacatctgt acatadlaad aattgttggc acagtcaccl adt'act'act 360
ttctagtttc tactttccat gttacaata ttataaaatt atgttcaacc acacacacta 420
gttcttcggt atttgccta 440

<210> 15224
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15224

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cataaggatg cacaagctaa agttgagtat gtgaaaagat tgcattgagca agtgaaggct 120
cacattgcag agaacaatga tagctatgcc aagcaagcca acaagaacaa gaagaaagtg 180
gtacttgaac caagtgattg ggtttgggta cacatgaaga aggagacgtt ctctaaacaa 240
aggaagtcca aacttcaacc tacaagagat ggacttttcc aagtactagt gaggatcaat 300
gacaatgctt acaagaacga tattcaagggt gagtatggag gtgatttctt caattaatgt 360
tgctgacttg agtccattct ntgcagggtg tgattctgaa gat 403

<210> 15225
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15225

agctntgttt catttatgga gaggttaatg aaacaacgag atgatgcgct ccatgagagg 60
ttggatcaaa tggagaatag agatcataat gaagacaaaa ggaggacaag agggaatgat 120
ggtgttecta gacaaaaccg aattgatggt attaaactca acattcctcc atttaaagga 180
aagaatgatc cggaggccta cttggagtgg gagatgaaaa tagagcatgt tttctcatgc 240

cacatctatg atgaggacca caaggtgaag cttgccgcca cggagttttc cgactatgct 300
 cttgtgtggt ggaacaagct acaaaatgag aga 333

<210> 15226

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15226

cgctatgctg canacattta caatagacct cctcaacctc agttgcaata tcaatcacag 60
 cagaacaatn atgacctctc cagcaacaga taccaatccc gatggaggaa tcaccctaata 120
 ctcagatggt ctagnctca acaacaacaa caacagcctg ctccttcctt ccaaaatgct 180
 gctggcccaa gcagaccata cattcggttca ccaatccaac aacagcaaca gcccagaaa 240
 caacannaca gtaaagctcc tccgtaacct tccctcgaag aacttttgan gcaaatagact 300
 atgcanaaca tgcagtntca aaaagagacc agagcctcca ttcagagctt naactaatag 360
 atgggggaca ttgctacaca gttaaatca 389

<210> 15227

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15227

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 ccaactcacc tgacatcatt ttccaataat ggtcgattgg aatgtccatt tgtttttgta 120
 ccctggctga ttgcaaattg atttcgaccg gaagtacagc atcatgccca taagtcagtc 180
 gaaatggggg agtattagtt gattccttan gagaatttct acatgcccat agaacttgat 240
 ctaacgtntt attccaattt cttggctttt gggcaatgtg ttctttaatc aagttaatta 300
 caatcttatt ggctgcttca acttgaccat ttgcttgccg gtaatatggt gttgaggtta 360
 ataatcgaag gccaatattt tgggcaaatt cttgcatttt tcgtccaata aaaactgaac 420
 cttgatcagt ggtaattggt 440

<210> 15228
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 15228

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agcttctctg aaattccaat ggtctaaact ttaaacagg aggtccgatt cgggcgcata 60
atttatcgag aactctcgaa ttgaacaatg caagctctcg agaaattcaa atggctcaca 120
cttttcaatc ggaagtccga ttcaggcgca taatatatcg agacactcga aattgaacaa 180
cggaagctct cgagaatttc aaatggatcat aacttttcac tcggaggtcc gattcaggcg 240
cataatatat cgagacgctc gaaattgaac aactcaagct ctcgagaaat tcaaattggc 300
ataacttttc acacggaggt cagattcaag cgcataatat atcgagacac tcgaaattga 360
acaatgagag ctctcgagag attcacatgg tcataacggt tcaatc 406

```

<210> 15229
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15229

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agcagcggtta natttatatt aaaagctcca agagcttggt attaaaggct aagctcattc 60
ttacttcata atggatgcac cacaggaata atggacacca cactatttat aaaggcttac 120
ataggaaatc tgttgattgc tcaagatcta tgtagatgac ataatgtctg gtgcgaccac 180
agaactgatg tgcaccgaga tntctgcact aatcaaagggt gaatctgaga tgagtatgat 240
gggtgagcta aaattcttgc taggtcttcc aaacattcaa aaagatgatg ggatattcct 300
ccatcaatag aacacataaa acctatataa naggcttaga atggatgaag ctagacctat 360
ggctaccctt atgcaccact tcacaatcat tga 393

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<210> 15230
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 15230

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tcatgtcttt attttcaatt acgagcgtct cgatatatta cgggactcaa tcggacaacc 60

```

gagtaaaaag ttattgtcgt ttgaatttgc ttactgctgc tgaattcaat tacgagcgtc 120
tcgatatact acgggacaca atcggacacc cgagtaagaa gctattgccg tttgaatatg 180
ctcagagctg ctattttaaa ttacgagcgt ctcgatatat tacgggactc aatcggacat 240
ccgagtaata agctattgtc gtttgaatct gctcagtgtc tctgtgtca atttcgagcg 300
ctcagacata ctactggaca caatcgaca cccgagtcga agcttattgt cgttggaca 360
cgttcagaga ttctatttc aattacgagc gcttcgatat a 401

<210> 15231
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15231

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atggagacgc' tcgtaattga aaacaaaagc tctgagcaaa ttcaaacgac aataactttt 120
gactcgggtg tccgattgtg tctcgtagta tatcgacacg ctcgtaattg aaaagggag 180
ctctaagaaa aatcaaacga caataacttt taactcgggt gtccgattgt gtctcgtagt 240
atatcgagac gctcgaaatt gaaaattgaa gctctgagaa aaatcaaacg acaataactt 300
tttactcgaa tgtccgattg agtcccataa tatatcgaga cgctcgtaat tgaaacagaa 360
gctctgagca aattcaaacg acaataactn tntactcggg tgtccgattg agtctcttag 420
tatatcgaga 430

<210> 15232
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15232

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cttagttcat aatggattca ccagaggaat aatggacacc aactattta gaaaggctaa 120
gataggaaat ctgttgattg ctcaaactta tgtagatgac ataacttttg gtgcaaccac 180
agaaaggatg tgcaaggagt ttcctgagct aatgaaaggc gaatttgaga tgagtatgat 240

gggtgagcta aaattcttcc taggtcttca aaacattcaa aaagatgatg ggatattcat 300
ccatcaagag aacacaaaan acctatttaa aaggtttaga atggatgaag ctagacctat 360
ggctaccctt atgcaccctt ccacaatcat tgataaggat tagaaaggta ataaactc 418

<210> 15233
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15233

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atactcacct tcacatgttg ataaacccac tatggattgc ttcttagaac tccacgatat 120
tgggtgttgca ccatacatga atatgtaacc tatagtactc tntatgtcan ttttgtctca 180
tccccaatcc gcctcagtat atcccactaa ttcttctaag ttactgttgt ctatatttgg 240
aaatagatat ccagtattga tggtcctttt tatgaacctt agaatcctct tagcagctag 300
gagatgagga attctgggtc ttttcgtata tctacttacc agtccaatag caanatccaa 360
atcaggtctt gaatgacaca agtacctgag agaaccaaca 400

<210> 15234
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15234

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aatgggtgta tcacaaaggc acaatagaac tttaatggat atgattagga gtatgttaat 120
caattagact gtatccgtat ctttgtggat gtatgccttg aaaactgtca tgtatttgtt 180
gaataggggt cctagtaagg cagttccaaa gacatctttt gaactgtgga caaataggac 240
acctagtata aggcacttgc atgtttgggg ttgtcaggca caaataaaga tttataatcc 300
gcaagaaaga aaattggatg caagaacaat cagtggatat ttcattgggt atcaagaaaa 360
gtcaaaggag tatatngttt attgtcctaa ccatagtatg agaatcgtca aaact 415

<210> 15235

<211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15235

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ctcagctcta acttatacag aataagctct gataccactt gtttataagt ggcctcagat 60
atcttaagaa ggcggggttg aatttaagata ctgcaacttc atttcccatt taaaatctct 120
atttaacttt ctattcaagt tataaattcc cttaataatg aatttcttaa atgttgattc 180
aaatagaaca atttgaatat gaatatngac cactaatata taaaggagtt taagggaaga 240
gacaatgcat actcagaatt atactggttc ggccacaccc ttgtgcctac gtacagtccg 300
caagcaacta tcttgtaaatt tcctttttaca agttctaaac acacaaagac aaccctctct 360
ttgtgttaga atttttcaca g 381
```

<210> 15236
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 15236

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agcttgcttt ctcatggaag ctccataatat ctcccacact ttttggggtg ggccattctt 60
ggatggcctt gattttctca gggaccactt ggaccccatt tctaccaact actaaaccta 120
agaaaactat attatctaca caaaagggtac acttctctat atttgcatag aggggtgtttt 180
tcctaattgac tgaaagaact tgtctgagat gtcctaagtg atcatctagc ctctactat 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tacgaaatcc cttaagacat 300
gatgcataag cctcataaag gtgcttgatg cattagtgag cccaataggc atctctagcc 360
attcatacaa accagacttg gtcttgaaag cacttatata ctca 404
```

<210> 15237
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15237

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agcttatgat tctcattcct gngaattctt ggattggatg cttaagtcca ttggcttccc 60
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agcccagttc tataacttggga tcatggaatg tgtttcttcc acttcattta gtgtggcagt 120
 caatggatct atttatggtc acttcaaagg gcagcgggggt cttagacaag gggatcctct 180
 atcccccttat ctgtttgtgc tttgtttgga gtacttttcc agagatatga gcagtctcaa 240
 ggatgatgcc aattctaaat ttcaccccaa ctgtgcaggt attcagctat ctcatttggt 300
 ctgtgcagat gacccatgc tcttatctag cggagatata ctctcgtgt cccatctgct 360
 tgcgaagctt cagcacttct 380

<210> 15238
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15238

agcttgagta cntttgtang gctccaaggc tttccatcag ctctgataaa tctgccatat 60
 actcagccgg tattaggcct catgagcttt ctcatattca acagcttact ggatttagct 120
 tgggtgactt gccttgtata tacttgggtg ttcccccttt atcatgtaga ttaaattgcat 180
 gtcattatgc tcccttgctt tccaagatta cttgcctgat tcagggatgg agcaccaagt 240
 ctttatctta tgcaggttaag ttagagttga tcagagcagt tattcaagga attgtgaatt 300
 totggatgga gatttttctt ttgccgcaat ctgttctgga ccaaatcaac gttttgtgcc 360
 gtaatcttct gtggagcaaa gcggatattg gaaaaaacia gcc 403

<210> 15239
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15239

agctnnngtan aaccaaccaa tcagaatgct agacgaaata tagatgggaa tagaggtaac 60
 aatggcggta atgacggacc gaggcagaac cgggttgagg gagtaaagct caatgttctt 120
 cccttcaaag gtagaagtga tccagatgcc tacctggact gggaaatgaa gactgagcac 180
 gtatttgctt gcaatgacta cactgatgag cagaaagtca agctagcagc agctgaattc 240
 tccgactatg cccttgtttg gtggcataaa taccaaagag aaatgttgag agaggaacgg 300

cgagaggtag atacatggac tgagatgaaa agggatgatga gaaaaaggta tgtgcccact 360
agctataaca gaaccatgcg acagaaactc c 391

<210> 15240
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15240

tccgacattc gtgtgaaagt tatgatcatt cgaatnnttc aagagcttcc gttgntcaat 60
ttctagcgtg tcgacatatt atgcgccaga atagaacatc cgtgtganaa gttaagacca 120
tttgaatttc tcaagaactt ccgttggttca atttcgagct tcttgacata ttatgtgccc 180
gaatcggata tccgtgtgaa aagttatgac catttgaatt tcgagagagt ttccgatggt 240
taatttcgag cgtatcgata tattataagc ctaaactgga catccgtgtg aaaagttatg 300
accatttgaa tttctcgaga actttccgtg ttcaatatca agcttctcga catattatgt 360
gcctgaatcg gaca 374

<210> 15241
<211> 402
<212> DNA
<213> Glycine max

<400> 15241

agcttgatca gctctatagg aacggctttc caggttccgg tgggtggtgcc ggtgggttta 60
ggattcgaat tccactggg ttgagcgcgc cgcagcagca gcactctgga tctgcttcca 120
aggtgttttg gaaggttggg aatcagagat tcagccccc aa tttgaatcaa aaccctaacc 180
ctaactcttg gaagaagagg gagagagacc ccgtgggtga agtgggtggct gcgattaagg 240
tattgggaga tgggtttgtg agaatggaac agatgaagat ggagatggcc agggagatcg 300
agaccatgcg gatggagatg gaaatgaagc gcactgagat gattctagaa tcgcaacagc 360
ggattgtcga ggcatttgcc aaggccgttt cggataagaa ca 402

<210> 15242
<211> 325
<212> DNA
<213> Glycine max

<400> 15242

agcaccttct tcaacagatc tatgtccctc tccacaacac cattctgttg aggtgttctt 60
ggcggttgaat atttatgggtg aattccatgt tcttcacaaa agtggttcata ggactcattc 120
tgaaactcac ctccatgatc actgctaatt gaataaatgt agagaccttt tccattttga 180
attaccttgg taagtgtcgc aaaaacatcc aaagcttcat ctgtggtgtg caaataacaa 240
gtccaaggta accttgagta atctccacta ttaccaagct atagtaattt ctccaaacct 300
atagctctta aaggacctat aatca 325

<210> 15243

<211> 404

<212> DNA

<213> Glycine max

<400> 15243

agcttgctta ttcattggaag ctccataat tctccatact ttttgggggtg ggccattctt 60
ggatggcctt gattttctca ggttccactt aaaaccatt tctaccaact acaaacccta 120
agaaaaatat attatctaca caaaaggtag acttctctat atttgcatag aggggtgttt 180
tcctaaggac tgaagaactt gctgagatg cctaagtga tcatctaggc tctactgta 240
cactaaaata tcataaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc attagttagc ccaaaggga tcaactagcca 360
ttcatacaaa ccaaacttgg tcttgaaagc ggttttccac tcat 404

<210> 15244

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15244

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cacatcacct atttttctat tctcagcatt gacttaggaa tatagtcata acctgtacaa 120
gaacaggat gagtgggagt agaacttgaa ccgccatcag aacatacata ttttctcag 180
ggcccggtga actcgatcat agagttcggg atcactctaa tcaactcgga gatgatagtg 240

atgcacaggt gaaaatctct gatgtcttca ttgatgctct tctattgcaa gaagaaatgg 300
atgcaatggc aacttttagt tcgtctcagt aaaaccagtg gattcaattc agcttttcct 360
gattattaat aatgtcttat tggcgtaatc tacttctgat aagataacag tttcatat 420
tgcttctg 428

<210> 15245
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15245

agcttattaa ttgaaagttg ttctattgga agatcagata aacaaacatg caagtatcat 60
tcctagaacc tacattctat tccattgtga ctttacatct aatctgactt tagttgtgtc 120
caatgtgatc aacctagagc atatttgat ttttactctt gcatgcttag ctttaaaac 180
tagtgccaat tttgaatatt tttgagcaaa aacattagtt cttagtttat gcgtatttta 240
tgtatacaat tccttctgtg tgtggcagtt gagaggggtg aacgagaagg atgatgttgt 300
agctaaatgg aagaaagtgc anaatgatat gtgcctacat gctcattgct ttgttagtga 360
tcccaattcc ttctgggatt tggctagtga attgagatat cacatat 407

<210> 15246
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15246

aggactcaag ggagttagt tggagattac tctnggatgg ngatgatgct attctgngac 60
ttgcatgaga aggacctgtt tgagaagtat ttcacacggc ttctggcaaa gcaacttttg 120
tcccgaataa cagtctctga taatgcagaa agaagtctca tagttaagct caagacccaa 180
tgcagttatc aattcacctc taaattagag ggcattgtta cagacatgaa aacctctcta 240
gaaacattgc tgaactttta tatgccaacc accccgagtt aagcaacggc cctacgcttg 300
ccgtgcaggt ttgacaaca gggttttggc ctactcaatc tactgttaca tgtaacctgc 360
cagaagatat ctcttcactt tgtgagaaag ttcagtcata tattaccttg gcacacatac 420

tggcaggaga tngtcctgca nactaatat

449

<210> 15247

<211> 343

<212> DNA

<213> Glycine max

<400> 15247

atctacatat ggtgtattac aagcctcccg tcagtggtag cttatgtttc atgggataat 60

atcttcagggt ggttttgatg ataatcccat gcataaatgc atataccaca tagtttagagg 120

gagtaaaata tatattcttg ttttacatgt atatgatatt ctactagcag ctaatgatcg 180

gggttggtcta catgagggtga aacaattttct ctctaagaat tttgacatga aggatatggg 240

tgatggatct tatgtcatcg acattaacat tcatacagat agatctctag gtattttggg 300

tctgtcacag gaaacctata ttaacaaaat tttagacaga ttt 343

<210> 15248

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15248

agcttgcata gttagaaata tcttggttga ttccgatggg gtgaagtcaa ggaaagattt 60

ttctattgcc atgatgagggt catctatagt tttaggagcc tctttgtgtt gtaatgactg 120

aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180

aaccaatcga atgtcaaaac cgccttcact agcagcttaa tggaagtcgt tgtcatcttc 240

atcaatgtga catggagcat tgtcttggtg tatgaaaata gtttctcctc tatcccctat 300

tggccatttt gctttgattg cagacaacac atgatgaata agaaaatgtt tgcttacttg 360

cttattttatt gaagaatatt ggtntcgttc catagtcctt 400

<210> 15249

<211> 313

<212> DNA

<213> Glycine max

<400> 15249

ctgggggtcaa ttacgagtgt cgcgatatcc tacggcacac aataggacat ccgaatcaaa 60

agttattacg tgggactggt cctagagctc ccgatttcaa tctctagcgt ctcgatatat 120
 taaggggctc aatcgacat ccgagttaaa agttattggt gctcgacttt tcttagagct 180
 tccgctgtca atattgagcg tctcgatata ttacagggct cgatgcgaca tccgactcaa 240
 aagttattgt cgttagatct ttctcagagc ttccattttc aattacgagc gtctcgatat 300
 cctacaggaac acg 315

<210> 15250
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15250

cacatagata ctaagctgct gncatggag ctcctntatc tcccacactn nttgggttga 60
 ccattcttgg atggccttga ttntctcaag gtccacttgg accccatttc taccaactac 120
 aaaacctaag ataactatat tatctacaca aaaggtacac ttctctatat ttgcatagag 180
 ggtgtttttc ctaaggactg aaagaacttg ttgagatgt cctaagtgat catctaggct 240
 cctactatac actaaaatat catcaaaata aacaactaca aatctaccta tgaaatccct 300
 taagacatga tgcataagcc tcataaagggt gcttgggtgca ttagtgagcc caaaaggcat 360
 cactagccat tcatacaaac canacttgggt cttgaaagca gttntccact caatcacctc 420
 tttcatnctg atttgggtgat accactttaa gaacaatttt gaaagaattg caccatcaac 480
 tcataagcaa tcac 495

<210> 15251
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15251

catgcgaagt gngtggaatt cctagagcaa ttcttttatg ttatcaaaca tanaaaggga 60
 aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc tatgcttgaa 120
 acaaaattga ttgggtcttga atgtttgaaa agcatgtatg aaaatgatga aactttttgga 180
 gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca tgaaggcttt 240

cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt gcttgtttgt 300
gaagcacatg aaggagggtt aatggngcat tttgnggtcc aaaagactct anaaacatta 360
caagaacatt tttattggcc tcatatnann aangatgtgc agaaattntg tgaacattgc 420
attgtatgta aaaaggcaaa gtctaaggta aagcctcatg gattgatact c 471

<210> 15252
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15252

agcttgttat tcnntatgat agaccagtga gcctcacgtt caaagggaag ctagtatttg 60
aggtgaacag gtatggcttc actgatgggt gagcttgggt tgatgggaac ctāaaactaat 120
gcaatcctac cccgcaaggg cattggatag aaaactccaa gtagattaag ccagagatgc 180
aagagaaggg cctaggattc ttatgagcct tacggtagat ttcgggcca tgggctaagt 240
atgagccac ttatctttgt aaatattaga ttaaggtttc attatttttg ggccttgat 300
atagagctcc ataatgtagg tagggtagcc tagaaatata tgaattttca gcccttgat 360
tttagggcac ctagactagt ttttgtatta cgggtagttt tgtaat 406

<210> 15253
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15253

agctntgtgt atattaaacg acaataactt ttactcgga tgtctgattg agtcccga 60
tatatcgaga cgctcgaaat tgaataccga agcgtaagc aaattcaaac gacaaaaact 120
ttttactcgg atgtctgatt gagtcccgta atatatcgaa aagctcgaa gtgaatgtag 180
aagctctgag caaattcaaa caacaataac tttttactcg gatgtctgat tgagtccgt 240
aatatatcga gatgctcgaa atggaatacc gaagctcgga gcaattcaa acaataataa 300
ctntntactc ggatgtccga ttgagtcccg taatatatcg gaacgcttga aattgaatgt 360
agaagctctg agcanattca aacgacaant aacttttact cg 402

<210> 15254
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 15254

tctacattca atttcgagct ttccatatat tacgggactc attagacatc cgaqlaaaaa 60
 gttattgtcg ttggaatttg ctccagagctt ctacattcaa tttcaagcgt tccgatatat 120
 tacggggactc aatcggacat cccagtaaaa agttattatt gtttgaattt gctccgagct 180
 tcgggtattcc atttcgagca tctcgatata ttacggggact caatcagaca tccgagtaaa 240
 aagttattgt tgtttgaatt tgctcagagc ttctacattc acattcgagc ttttcgatat 300
 attacggggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat ttgctta 357

<210> 15255
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 15255

agcttttcttg ttagattcct aaagaagcta gaacttagct acacacacct ctctaatagc 60
 taagctcacc tccttgagat gagaagcttg aacttagcta cacacccctt ataatagcta 120
 agctcaccct catgaaaaaa tacatgaaaa taaaaaaga aagtccttac taaaagact 180
 actcaaaatg cctcgaaata caaggctaaa accctatact actggaatga ccaaaataca 240
 aggctaaac gaaggaaaaa acctattcta atatttaca agataaacag gctcatactt 300
 aacctatgag ctcaaaatct accctaaggc tcatgagaac cctatggcct tcccttggat 360
 ctctggccca atctacttgg agtcttctat ccaatgcctt tgcggg 406

<210> 15256
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 15256

agctttttct aatacataat atcgtaacta caaaagtcaa aataataag tctctacata 60
 ttacagttgt cttatacaca ttttcatact ttaaaaatat tctataattt tttgttgtca 120

atattataaa aaattaaaaag cataaaaatag taaaattaat ttcaatttat tcttttttat 180
 ttcttataat tctttcatto atttataaaa aaatatatga aaataatacc tattttttga 240
 aggaggcaat ttatttttat tacacatata caaataatat ataaaaaaat cataggaaca 300
 attgctccca gggtactatt gctatccgc cactgatgt aacattaatt aaatttgtr 360
 tctcatatca ttatgaaatg tccattaata ctttacgaa 400

<210> 15257
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15257

agctnnatgc atgaccacca atggtctata tatatgtgac ttaaacacga aaatactcag 60
 agattttcag aacaacaaag tggttatcct ctcaagagc aaattcattt tctctctta 120
 agaattcctt ggccaattca attgcaattc attaaggaat tatttgagtg ctcaatctgt 180
 aaaatccatc tctttctaga gagatttggt cttctctctt tctcatttt ctaagggatt 240
 aagagactgt gagtctcttg ttgtaaagga tctctaaaca caaaggaagg attgtccttg 300
 tgtgtttaga acttgtaaaa ggaatttaca agatagtgga actctcaagc gggttgcttg 360
 gtgactgaac gtaagca 377

<210> 15258
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15258

agctngcnat tcatggnaac tcctaataat tcccacactc tttggagtgg gccattcttg 60
 gatggccttg attgtctgag ggtccacttg gaccccatct ctaccaacta caaacctaa 120
 gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga gggcggtttt 180
 cctaaggact gaaagaactt gtctgagatg tctaagtga tcatctacgc tctactata 240
 cactaaaata tcatctaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagg tgcttgccgc attagtgagc ccaanaggca tcaatagcca 360

ttcatacata ccacacttgg tcttgaaagc acttttgcac tc

402

<210> 15259

<211> 401

<212> DNA

<213> Glycine max

<400> 15259

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caattcatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120

gacagctttc caggttctgc tatccagtga tttgagaaag gccaccatcc ttgctttcca 180

gtattcatag ttgatgacag cacctttgtc aatgattttc ttcatgcctc ttaagtgcag 240

atgtccaaat ctttgatgcc atattctgac ttcattctct ttggaggata gacatgtgga 300

ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc tgctgccctt 360

cattagaact tcactcttct catttgtcac caagcattct g 401

<210> 15260

<211> 490

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15260

gatagattga acgaatctag taactaatgc cagctttaat cgtatgtatg gatagactaa 60

agcagagagt gatcaatata aagaggctca caggctgtgg tcatgttgtc aagtatcaaa 120

tgatgtgaaa gaaatgctat tcaatggaca acaatatata taggagatat gataaacata 180

tgaaagggaa aaggaaaagg aaaagtaaga aagcaataga catgttaagt tatgtaatga 240

ggtaagtagg aaaaggaata atgaaatgga attaacacaa acattataga aaaatgacta 300

tattatttta taagttaaca attatttaaa aaatagaata taagtgatac tctattctga 360

atatatacaa aagaattaca cagtcagata acagaaatga gtatataata atgttctctt 420

cgttcttcta cactatatct atgtcttnca atggattatt cacaattgca catatataat 480

actcatctta 490

<210> 15261

<211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15261

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tctcgacata tcatcgcgcc gaatcggaca tnccggtgga aattatgacc atttaaattt 60
cgcgaagatt tggcgaatgt taatttcgag cgtatcgata tattataagc ctgagtcgta 120
catccgtgtg aaatggtatg accatttgaa tttctcaaga gcttctgttg ttcaatttcg 180
agcctctcga catattatgc gcccgaaatcg gacatccgtg tgaaaagtta tggccatttg 240
aatctctcga gagtttccga tgtttaattt cgagcgtatc gatataattat aagcctgaat 300
cggacatccg tgtgaaaagc tatgaccatt tgaatttct 339

```

<210> 15262
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15262

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tggatattgag gtttaagaac cattattcac tttcgatcta acgaanacac tgtttatcgg 60
tgtatgtatc tgaaggtcag tgcgagtaag attattttct aattctgtat attgatgata 120
tcttgcttgc agctaattgat cttggtcttc ttcatgagac taagacattg ctctctataa 180
actgtgaagc gaatgatatg ggtgaggtaa cctatgtgat acggatagaa atattccata 240
gtagatcaca tggattcgta cgcttatctc agaaagtata tatatcgatc aagtgctaga 300
gagatttaag atgaataggt gtttaacatc gcctattcta atttagaaat gagacagagt 360
tagtcttgca caattgccta gaaatgatat ggaatg 396

```

<210> 15263
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15263

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agctgngtgn tntgcaattc taagacacta gagagcgggc aagtatatga catgtcccac 60
ttgtactttt tctatctaatt ttgcatcctg caaaatcaga atatgaaaaa cctgttatgt 120

```

ttaaggaggt acctttaaga taccacataa gcaaacactt agcatgatat ccaatctact 180
 tgcagatagg tagagaagcg attcaatcat acctctgtat cttgattcat ccactaattt 240
 acctttctca tcaaacgtaa ggtaggttga tgtagacata cgagtaaagt cttctttgca 300
 ttttttcata ccaaatttct ctatcgagtt tatgcaatat ttgagttgac tgaagaaggg 360
 tccatgtatc aattgcttga c 381

<210> 15264
 <211> 376
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15264

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 ttcatcangg aactgatgaa atgatgaaat tgcagctttc cttctctgtag tctttgactc 180
 ggggaagtat tacttcagaa atatatcaac aacttcttcc cactgtcttta gactgctacc 240
 cttaaagtga tggagccacc tcttggtctc tcttgccaag gaaaacgaaa ataggctgag 300
 tttgatggct tcatctggta tgcttgcaat ctttacagtg ttacaaattt caatgaatgt 360
 tgccaaatgt gcatag 376

<210> 15265
 <211> 404
 <212> DNA
 <213> Glycine max

 <400> 15265

agcttgccat gattagaggg gtcggggtca cgagctatgc ggatacctaa tgctccatt 60
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 agaccaaagc aagttgtgag tttttctatc aatggcggca tagattgact aatgcagcca 180
 gaatagctgc ataatgtaca ttggaaggga ggataggaca tatttagcta aacaaagtca 240
 tccagcccta ttcaaaagtt tccctttcca tgaagctagc cttctatgaa ttttatccaa 300
 gataaaatcc aaagattgat ggtgttgtct cccttgacc aaggaaaacc ctagatagcg 360

gccaagggttg gaaacactcg cgatgccaca aacatccttg aata 404

<210> 15266
<211> 342
<212> DNA
<213> Glycine max

<400> 15266

tgataactatg tatcttctgc atgaatcacc ataccagata ctctgtcctt ctgttgcagc 60
acatctagga gtcacatgag catacttgaa gctcatgctg caaacattta taatagaccc 120
cctcagcaac acaaccaaca acacgagaat aactatgac tttcaagcaa tagattcact 180
tcacgctgga gagatcatcc aaatctgaga tgggcaagtg ctgcacaaca acaacaacct 240
ggacgtatct tgcaaaatgc tgcgtggcca agcaagccat atgttcctcc tccaatacat 300
tagcagcaat agcagcagtt acaacaaaga ctacaagcac ct 342

<210> 15267
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15267

agcttggttat tcaatatect gatgatgggtg ttccatatgt tctcaagact ggactaatac 60
atttggttgcc caagtttcat ggtctcgcag gtgaagatcc tcataagcat ctttaaggatt 120
tccatatttt tttccacat gaagcccat gatgtccaag aagatcatat ctttctaaag 180
gcttttcttc attctctgga gggagtggca aaagattggc tatactacct tgctcccagg 240
tccattttca gctaggatga ccttaagagg gtgttcttgg agaaattctt ccctgcatct 300
aggaccactg ccacagana agacatttca ggcatcagga aacttagtgg agagagcttg 360
tatgagtact gggaaagatt caagaaattg tgtgcaagct g 401

<210> 15268
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15268

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 ctgctcaatt tcgagcctct cgacatatta tgcacccgaa tcggacatcc gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagtttc cgatgtttta tttcgagcgt atcaatattt 180
 tataaccgtg aatcggacct cagtgcgaaa agttatgacc atttgāattt gacgāgāg 238

<210> 15269
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 15269

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 aatcatacat ccgagtaaca agctattgtc gtgtgaatta tctctgatgt tcacaattcc 120
 atttcaagcg tctcaataga ttacgggact caatcagacg tccgagcaaa aagttattgt 180
 cgcttgaatt agcttagagc ttcaaaattc aatttcgatc gtctcgatat attacgggac 240
 tcaatcagac atccgagtaa aaagttattg gcgtttgaat ttgctcacag cttcaacatt 300
 caatttcgag cgtgtcgatg tattacggga ctcaatc 337

<210> 15270
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 15270

agctttgttc taattcaaat gacaataacc ttttgtctcg atgtctgatt gagtcccgta 60
 atatattgag acgctcgaaa ttgaattctg aaccttagag ctaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcccg tcttattga gacgctcgaa attgaactct 180
 gaaccttaga gctaattcaa acgacaataa cttattactc ggatgtctga ttgagtcccg 240
 taatacatcg agacgctcta aattgaatgt tgaaacctct agctaattcc aacgacaatg 300
 actttttact cggatggccg attgagttcc ggaatacatc gagacgctcg 350

<210> 15271
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 15271

agcttggttac ccatggaagc tottaatatc tcccacactt tttggggtgg gccattcttg 60
gatggccttg attttctcag ggtccacttg gaccccatth ctaccaacta caaacctaa 120
gaââââââââ ttatctacac aaaaggtaca cttctctata tttgcataga ggggtgtttt 180
cctaaggact gaaagaactt gcttgagatg cctcagtg ccatcagggc tccctcagaa 240
cacââââââââ tctatgaact aacacacac aactctacct atgaaatccc ttaagacacg 300
atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaggca tcactagcca 360
ttcatacaaa ccaaacttgg tcttgaaagc 390

<210> 15272

<211> 278

<212> DNA

<213> Glycine max

<400> 15272

agcttttttac attcacgtgc cttatggagc tcagagcctg aacctccgcg tcaaactcct 60
ttgaacttccc accaccaccg tgcttggtcc caagcatggg ggtgctactc cacgagttct 120
ttctccttgc agggacatcg gtgttccaaa tatgcttcac cgcgagttct ttcccattgg 180
aaagagtga cctgtacacg ttccccgagc ctctatccc tatgagattc tctgcttga 240
tggaatctac aatctctccc tccgagaaac tcatcacg 278

<210> 15273

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15273

cccctcagtc gcagaaccaa caactttaga ataattatga cttttcaagc aacagataca 60
atccgggtgg gaggaatcat ccaaactaa gatgggcaag tctccacaa caacaacagc 120
ctgtccctcc ctaccagaat gctgctggc caagcaagcc atatgttct cctctaagtc 180
aggaacaaca acaacaaca caagacaac aagcaactga ggccccctct ctaccttct 240
tagaggagtt agtaaggcaa atgacaatcc anaatatgca atttcagcaa gagacaagag 300
cctccattca gagtctgaca aatcagatgg tgcggatggc tactcgagtg aaccaagctc 360

aatcccaaaa ttctgacaaa tagccttcat aaactgtgca caatctga

408

<210> 15274
<211> 470
<212> DNA
<213> Glycine max

<400> 15274

gcggtctcgta tattacggga ctcaatcaga cttccgagta aatatttatt gtcgtttgga 60
ttgggtcaga gaggcaacat tcaatttcga gcgtctccat atattacggg actcattcag 120
acatccgagt aaaaagttat tgtagtttga attagcttag agcttcaaca atcaatttcg 180
agtgtctcgt tatatcacga gactcaatca gacatccgag taaaaagtta ttgtcgtttg 240
aattgggtca gagcttccac attcaatttt gagcgtctca atatattacg ggcctcaatc 300
agacatccga gtaaaaagtt attgtcgttt gaattgggtc agagcttcaa cattcaattt 360
cgagcgtctc gatatgtgac gagactcaat cagacatccg agtaaaaagt tattgtcgtc 420
tgaattgggt cagagcttca acattcaatt tcgagcgtct cgatatatta 470

<210> 15275
<211> 181
<212> DNA
<213> Glycine max

<400> 15275

gagaaccagc gcatgagaga taacttcctt cagcttggtg aaagccttct gagccttcgg 60
cgaccaacga aatctgtctt tggccaagag ttgagttcaa ggtgccacta tggaaacgta 120
tcccttaata aacctccgat agaagcctga caagccgaga aagcctctta aagctctggg 180
a 181

<210> 15276
<211> 400
<212> DNA
<213> Glycine max

<400> 15276

agctttttga aaattcttat ggtcataact tttcacacag atgctagatt aaggcgcac 60
gcatatagag agactcgaaa atgaacaacg gaagctctcg agaaattgaa atggtcataa 120

cttttcacac tgagggtccga ttcaagctta taatatattg atatgctcga aattaaacat 180
cggaagctct cgagatattc aaatgggtcat aacttttcac atgaatgtcc gattcggggcg 240
cataatatgt cgagaagctc gaaattgaac aacggaagct cttgagaaat tcaaattggtc 300
ataacttttc acacggtgtt ccgattcagg cttataatat atcgatcgc tcgaaattga 360
acatcagaaa ctctcgcgaa atttaaatgg tcataacttt 400

<210> 15277
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15277

caatttcgag cctctcgaca tattatgcac ccgaatcgga catccgtgtg aaaagtcattg 60
atcatntgaa tttctcgaga ggttccgatg ttttaatttcg agcgtatcaa tattttataa 120
ccgtgaatcg gacctcagtg tgaaaagtta tgaccatttg aatttgacga gagcttccgt 180
tgttcaatat cgaatatcac tatatgtgat gcgcctaaat tggacattcg agttgaatgt 240
tatgaccatt tggattttctc aagagattct gttgttcaaa ttcgagcgtc tcgagatctt 300
atgtgatcga atcggacatt cgtgtgaaaa gctatgacca tttgaatttc tcaagagctt 360
gctgtggtca atttcgagcc tctcgacata ttatgc 396

<210> 15278
<211> 412
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15278

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aaaaagctat tgtcgtttga gttggctcag agcttcaaca ttcaatttcg accgtctcga 120
tatgttaagg gactcaatca gacatccgag taaaaagtta tggtcctttg tattgggtca 180
gagcttcaac attcaatttc gagcgtctcg atatgtgacg ggactcaatc agacatccga 240
gaaaaaagct attgtcgttt gagttggctc agagcttcaa cattcaattt cgagcgtctc 300
gatatgttac gggactcaat cagacatccg agtaaanagt tatggtcctt tgtataggct 360

cagagcttca acattcaata tcgagcgtct cgatatgtta cgggactcaa tc 412

<210> 15279
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15279

tctgttntca atntcgagcg tcttgatata ttacgggatt caatcgatca tccatgttac 60
 aagttattgc gaattgcatt ntctaccacc ttttgttttc cattaccagc atctcgatat 120
 attacgggac tcaatcggac atccgagttg acaggtatta ttggtttgca tttttacaag 180
 cttccatttt caatttcgag cacctcgata tattacggga ctcaatcgaa gatccgagtc 240
 aaaacttatt gtcgttngaa tttgttcaca gcttctgtat tcaatttcaa gcgtctcgaa 300
 atagtaagag aactcatcgg atatccgagt taaaagttat tgtcatttga atntgctcag 360
 agcatcttgt cataccctaa tttcgtcggg ggatctttgc ttgatgacat gcgacctttc 420
 tttggcc 427

<210> 15280
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15280

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 aattcctctt caatgtatcc atttacgaaa acactnttga catccatttg gtatagtttg 120
 aaatccataa cacaagcata agcaaataga aatcttacia cctctaact agctaccggg 180
 gcatagggtt aaccaaagtc tatatgctct tggttgagtat agcccttggc tactagcctt 240
 gctttattcc taatgatcaa accatgttca tccgatttat ttttaaacac ccatntagtg 300
 ctaatgggtg gcatatcttt agaataagat acccaattcc atacatcatt cctttttaa 360
 tggttcaact cctcatacat ggacattatc caaaactcat ctttaagtgc cttctctata 420
 gacatgggtt ctacttgaga cac 443

<210> 15281
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15281

agcctgttgc aaatctctca gacctggagc ctatccatgc agtctctctg aacccctacc 60
 tcccactctt tgcctatgac gggacccang anaccaccac ggtcttgccct ttcacatgta 120
 ctctgaacaa aactcaatag cttctttggc aatatacctt tcaataatag atgcttcaag 180
 acagtctaga ttctttgcat acccttttat gatcttcatg tatcactcaa ccaggatatat 240
 ccaccacaaa taaatgggac cacaacattt aatttccttc accagatgaa caattaagtg 300
 gtgaaccatg atgtcaaana acanaggagg ataatacatc tccaactgac aaaataaaaat 360
 agcagcctcg ttttcaactc atctaacttg agaggatcaa tgactntact acatat 416

<210> 15282
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15282

agagaatatc atctctctng aaaagcaa at cacctgatct gcattcttta ttgcactcaa 60
 atattcacca ctnggtgaaa catcagccac agaattcaac aaattctctc tgggtatcct 120
 cacattatca aacctgaaga cacatgtgaa taatttctgc gtttactctt ttatataaaa 180
 tntcattttc aggtgcaact tgtttgaaaa atgtatatat taccagatac ggccattatc 240
 aactccattt aaaccaattn tgtgaccaca atcagctatt cggatgtttg gacatatgtt 300
 tccatctgaa tccctgattt gngcaataaa tgcatgcacc ccttgattgc tccatttata 360
 tagagctgtg aaaagactat agtgtgggtt gcatgctgaa taaaagaaca agttaatata 420
 agggtaatat atacaaagtt ggagccagtg aaaaatgtat catg 464

<210> 15283
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15283

agcttgccaa gaagagaggt gttggtgtta cgagctatgc ggatacctaa agctccatt 60
tgcttgggac gcgtgactgg tcctagtctg caagattcca acccttcgta taccagaaga 120
agaccaaacy aagttgtgag tttttctatc aatggcggca tagattgact aatgcagcca 180
gaatagctgc ataattgaca ttggaagggg ggtcaggaca tatttcgcta aacaaagtc 240
tcacgcctta ttcaaaagt tccctttcca tgaagctagc cttctatgaa tttatccaa 300
gataaaatcc aaagattgat ggtgttgtct cccttgcacc aaggaaaacc ctagatagcg 360
gccaatgttg gaaacactcg cgatgccaca aacattcttg aatatattct tcatgcgggt 420
ngggattccc ttggagctca tcatcgtaga tttat 455

<210> 15284

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15284

cctagtaact cagcttgcca tgaatcagan atctgcacct gttgcaagag tctatgatct 60
atgtttcttct gcagatcacc atacagatct ctgtccttct ttgcagcaat ctggagtcaa 120
tgagcaactt gaagctcatg ctgcaaacad ttataataga cccctcagc aacaaaacca 180
acaacaagag aataattatg atctttcaag caatagatac aattcagggt ggagaaatca 240
tccaaatctg agatgggcaa gtcctccaca acaacaacaa cctgtcccta ttttccaaaa 300
tgctgtgtgt ccaagcaagc catatgttcc tntccaata cattagcagc aatagcagca 360
gtcacaacaa agacaacaag caact 385

<210> 15285

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15285

tgtgaatgta tgtatacatg attntgatga tgtcaaaaga agaatacaac aaggctcatt 60
ntgcttcaag attaatacaa gattgtttca acaacaacaa ccttgattca agatttcttc 120

aagatcaagc cttgcctcac aatgaaaggt ttcaagtcac tcaaggcaca tgtaatcgat 180
taccaatggg ttgaaagtgt gtaatcgatt acacatcata tgtaatcgna taccagagac 240
tctgaacgtt gggaattcaa attntaaatg aagggtcaca actgttcaag aaaaacaact 300
gtgtaatcga ttacactaat tctgtaatcg attaccanag aggattntca aggaatatcg 360
ccaacagtc cactctatca ttggaatttt gaatggccct cacaagccta tatalatgig 420
tga 423

<210> 15286
<211> 439
<212> DNA
<213> Glycine max

<400> 15286

agcttatgtg aacgttctgt ataatgtata aagccacaaa agaaggcaac tacctgtctc 60
aagagatcca ttgtactgtt aaacgttaaa acaaatactt gggagcttat ttgacccac 120
tttgaaaaac gatattgaaa tacaatgaac aactaagtac tgcatacaag aagtacgcac 180
gtaaactaca taattcaata atggttacac tcgtaactat tgtgtcacat tagtttaaaa 240
caagtacaac tttagcacia cttactacgt tgactaggga cattagattc cacaagcat 300
acagtcgagc aagcccagct gatctcctag gtccttgact aaacaaagcg ctgattccag 360
atggaaatgg aaataggaca ccatgaggga ggacaaatag aactaataag aagctcaaca 420
gagacagcga gtacatctg 439

<210> 15287
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15287

tactctgatg aggggtgttc atatgttctc aagactgtat taatacatnt gctgcccaag 60
tntcatgggc ttgtaagtga agatcctcat aagcatctta aggagtttca tattgtttgt 120
tccaccatga aacaccatga tgtctgttcc accatgaaac accatgatgt ccaggaagat 180
cactatcttt tacaagctnt tcctcattct ctggagggag tggtgaaaga tgggttgtag 240
taccttgctc ccatgtcctt taccagctgg gatgaccttc agaagggtgt cttggagaaa 300

ttcttcctg catctatgac cattgccatc agaaaagaca tttcaagcat caagcaactt 360
 agtggagaaa gcttgatgaa tacttg 386

<210> 15288
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15288

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 aaacattttc tatggaggta gagggattca aacctatfff tccaactcca agaattntac 120
 ctttgctggt gtctccatag gtcacatggt tactatffff ggaagaaata tgaataaact 180
 ntgatgcac tcccatcatg tggtcagagc aaccgctatc aatgtaccaa ttatgcttca 240
 aggagtcttt cattcatata atcatafntt gatffffgta cccanafntt cttgngttct 300
 taaatgttag ttatgactaa cgatcctfff ggaacccata ccatttttct aatgctacta 360
 ccattctttc taatataaca tattgatgca ctataacctt tcttaccaca atanaagcat 420
 g 421

<210> 15289
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15289

agcttgaagg anaactatat gcattgttta acttgtttac ccagctagcc ttgaatcata 60
 aatctgtacc tgtcgcaaga gtctgtggtt tgtgtctctc tgctgaccac catacatacc 120
 ttngccctgt catgcagcat cctggagcaa ttgagcagcc ctaatctcat gctgcataca 180
 tttactatag acctcctcaa cctcagcagg caaatcaacc acagcagaac atttatgacc 240
 tcccatgcac atatacaacc ctggatggat gaatcacctt tatctca 287

<210> 15290
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 15290

agcttgaagg tacgttatga tgagtgtagg agagggggaa gggggaacaa aattttgata 60
gagagaagat gaagaatgaa gtatgaactt tgaagactaa tttctcatca aagtttcaaa 120
atgracacac aattgttctt tccctttttg tatttgataa catatggaaa ttgctctaa+ 180
aactctaccc aatttgcatt cctgttatct aacttgcatt gccctctaatt ctacttaagt 240
gattcatgat cactatgaat aacacactcc ttggaaacaa ggtaatgttc ctaagtttgg 300
aaggctctaa ctaaggcata caactcctta tcatatgtgg agtggttgag agtggcatca 360
tgaagtctct cactaaagta tgcaagaggg tgcccacctt gcaacaacat aggtctccac 420
acctacac 428

<210> 15291

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15291

tccaccccnna tatctcaagt tttaggtaag aattcaagac cttttggaag gtacactgaa 60
ttaattctct cagagtctcc attgtgagat ntgaaagtga gtaatctcag gtttggcatc 120
tttctgaata ctttggagct taaatttata tgtgtaattt gagtcatatc taaccatatt 180
ccttcaactg cagcagttcc ctgacaaaata ataattagaa ttaatgttta catcttttgt 240
aataatttgg catttttata ccaagagttt aggaatgcaa gtcaaagtat cattaacata 300
ctctattatt tgtcaataca tcatagatnt ccacaggatc ccacaatcta ctgcgttgcc 360
ctgganatnt aacagattct tcacgaacaa cttctctacc catttcttgt atcagatcgt 420
gcatatctat g 431

<210> 15292

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15292

agctntgagc caattttatt gataatatac gtttactcgg atgtccaatt gagtcccgta 60

atatatacgac acgctcgaac ttgaatgttg aagctctgag ccaattcata caacaataac 120
 tntttactcg gatgtccgat tgagtgactt aatatatcgg gacgctcgaa attgaatgtt 180
 gaacctctga gcaaattcac acgacaataa ctttntagtc ggatgtctga ttgagttccg 240
 tcatatatcg agacgctcga aattgaattt tgaacctctg agccaattca aacgacaata 300
 actntttact cggatgtctg attgagtcac gtaatatatt gagacgctcg anathgaaty 360
 ttgaagctct gagccaattc aaacgacaat aactntttac tcggatg 407

<210> 15293
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15293

gctaacattc aactntgtgc gtctcgatat attacgggac tcaatcagac ttccgagtaa 60
 aaagttattg tcgtatgaat tggcttaaag cttaaacatt caactgtgag cgtctcgata 120
 tattacggga ctcaatcata catccgagtg acaagttatt gccgtttgaa ttggctcaga 180
 gggttcaaat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
 aaaaaagtat tgctgcttga attggctcag agggtaaca ttcaattttg agcgtctcaa 300
 tatattatgg gactcaatct gacatccgag taagaagtta ttgtccgcta aattggctca 360
 tacgttcaac a 371

<210> 15294
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15294

agcttgcan a tttttttatt gaactgttat tcaaaaccaa gaggtgtgtc catgtagact 60
 tctctctcta agtccccatt taaaaaggca ttctttacgt caagttgttg taatcgtcaa 120
 tctaaatttg cagccaatga taagaggact ctaatggtgt taagttttgc aacaggagca 180
 aaagtttctg agtaatcaat accatagggt tgggtgaagc ctttggcaac tagcctggcc 240
 ttgtacctct caacaaaccc atttgcgtta tacttgatag taaacaccca tttgcatccc 300

acggttgttn ttctcttgg taggtccacc actttccaag tctgattntt ttctagagct 360
 ctcatctctt ccattgacagc ttcttccac ttaagaacct ttagagcttc ctgtatatct 420
 cttggtatct ctatanttgt cagttcaca gtaaaagctc ta 462

<210> 15295

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15295

agcttactaa tctgggttaa atcctttccc ataaataaat taaattcaaa tctagataag 60
 ataagataag atctagatta aataatatct agatgagaaa ttcaaataa gataagataa 120
 gatcagatct agattaaata atatctagat gagaaattca aatctagata agataagata 180
 agatctagat taagtaatat ctagatgaga aattcacatc tagataagat aagatctaga 240
 tttaaataatg tctagatgag atcaaataa aataatatct agatgagata aagatcagat 300
 aagatctaata tntgtagaat aaaatagtct gccctcttca agtccaagcc caattctgga 360
 ttcataacca tgcccgatcc tgga 384

<210> 15296

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15296

agctttttat tatcagtaga tgaagatgaa tctgtggcca cctcatggac tcctctaaga 60
 acaatatcat catttcttgc actgaatttg tgggagccat cttctcaatc aaatttctag 120
 cctcaacacg gtcatatcac caaaagcttc accattggca gcgtcagtc tactcctctc 180
 catgttgcta agtcctctcat agaaatattg aagaaggagt tgctcagaaa tctggtggtg 240
 aggacaactt gcacacaatt tcttgaatct ttcccagtag ttatacaagc tntctccact 300
 aagttgcctg atgacctaaa tgtcttttct gatggttagtg gtccatagatg caggggaagaa 360
 tntctccaag aacaccctct taaggttatc cagctganta tggacct 407

<210> 15297
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15297

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agcttccgla aaattcatal ggcataaacc gttgactcgg atgtccgatt ccaaccatag 60
lgatgcaatc ctacccccaa agcttattgg atagaagact ccaagaggat tgggctagag 120
cggctaaaaa aggcacctatg gttctcatga atcttaaggt agatttctga gcccatgggc 180
caaggctggg tccactcttc tttgtaaata ttagaatagg ttttccttct tttgngcctt 240
gtattttgat gcaatcctac cccccaatct tattggatag aagactccaa gaggattggg 300
ctagagcgac taaagaaggc cctanggttc tcatgaacct catggtagaa ttttagccc 360
atggtgatgc aatcctac 378
```

<210> 15298
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 15298

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ctcagggtcc acttatatcc catttctacc aactacaaag cctaagaaca ctatattatc 60
tacacagaac gtgcacttct ctatatttac atagagggta gttttcctaa ggactgaaag 120
aactttcctg agatgtccta cgtgatcatc tatgtctcta ctgtactcca acatatcgtc 180
tctataaaca actacaaatc tacctatgaa atcccttaag acatgatgca taagcctcat 240
acagggtgctt ggtgcattag tgagcccaat aggcactcact agccattcat acgaatcaca 300
cttgggtcttg aaagcgagat tgcactcatc actctt 336
```

<210> 15299
 <211> 344
 <212> DNA
 <213> Glycine max
 <400> 15299

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tctagcaaga agcttctgac agtttatgac tatgataatg aggcagtgga agcaatgatt 60
agttgctcag agaagagagg agccaaggca catagcagca cctgcaaaac caaaagaagg 120
```

ttctggaagt gtggaagcaa aaggaccagt tgagagactt caaagtaaga aagcacaaga 180
tagtgggtgag aatgggtgggt ttaacattga gtgcaggtgt ttggatcaag tggactcttt 240
gggattgata atgatcàcca atagaacgag gtaccttata aattggctgg tgaactccat 300
gatgaagctg aagcacccta acgcagaggg gttcccctag tcaa 344

<210> 15300
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15300

gaagagggca ttctattgat tangaaacaa gcagtaagca ccgcgtctcc ccaatgatgt 60
gtacgaacat tcgaatttag cattatggaa cgagcagttt caagaagatg tgcattcttc 120
ctttctgcta taccattttt gtgtggagtgt tgtggacatg tggactgatg tataatacct 180
ttggaagaca aaaaagaaga aagatcatgc gagaagtact ctttagcatt atcacttctg 240
aaaattntaa ttggatcatcc aaaatgattc tcaatctcat tgagaatgac acgaatatag 300
gcaaaagttc agatctgtct ttcattagat aaacccaagt acatctggag aattcatcaa 360
taaaggttac gaaatatcga ataccaatag atgtgac 397

<210> 15301
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15301

agcttgtatg tgcgtacccc accattgttc atagtataac attggtaatg tgtctactat 60
tattgtgatc atctctttct ccggcattgg aggtgccact tgagctgcca ggtctctcca 120
cctttggggc tattctttga aagatctgtg ccccttattg cacatgttct atagttgcat 180
cctatccgga gccatatcag aattgtactg atactgcccac acgaatgcaa ccattaggtc 240
tttccaagaa tggactcgag aaggttccaa ggtatgtgta ccangtaaca gctaccagtc 300
aagactttct tggaagacat gtatcagcag tttctcatct tttccgtatg ccccatctt 360
ccgacaa 367

<210> 15302
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15302

```

agctncttq aganattctt cctgataagc tcttttgaga aanattcctt gaqaaqctag   60
agcttagcta catacacccc tctcataact aaactcacct ccttgagaag cttccttaag  120
aagattccct actacaaaga ctactcaaaa tgcctcgaaa tacaaggcta aaatcctata  180
ctactagaat ggccaaatac aaggcccaaa cgaaggaaaa acatattcta atatttataa  240
agataagtag gcacatactt agcccatggg ctcgaaatct atcctaaggc tcatgagaac  300
cctaggggct tcccttggat ctctggcacc atctacttgg agtcttctat ccaatgctct  360
tgcggngtan gattgcatca ttcctccac cttggaaagg atttgacctc aaatcttgag  420
attcttcata ctctgggctc ccttcctcaa cacctat                               457
  
```

<210> 15303
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 15303

```

caattcagag tcttcataaa tgacgaattg gtcttttagtt cttcttaagt acttaagtat   60
gggtottaacc acttttcaat tgttctcacc aacgtttgct tgatatcaac tatgtacacc  120
taatgcataa ggcacatcat gacgtgtata agtcatgggtg tacatgatag cctccagtgc  180
actagcatat ggtactctac tcgtgtgttc tctttcttca cgagttgggtg gacagttctc  240
cctactaaga gtaaattcca cacctacagg caaatagcct tgtttggaat atccatgtat  300
atctcttaag atagatcaat gacatagatt ggagagtcaa gcacctattg atcttctcta  360
taattttata ccaaatatag tgttctccac atctcatgga aatgt                               405
  
```

<210> 15304
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15304

tctatagaag gttcattcct aattttctcta caatagcatc acctctcaat gagtagatga 60
agaagaacgt ggcatttacc tgggggtgaan aacaagagca agcctctgct ttgctctaag 120
aacagcttac taatgcacct attctagctc ttcttgacta ttataacact cttgagctag 180
attgagaagc ccttggggtg ggaattggcg ttctcttgat acatgttggc cccctatag 240
ccttatntag tgaanaactt catagagcct ccttcaacta cccctccta gataaagc 300
tctatgccgt aataagagtc ctccaaactt gggaacatta ccttatctcc aacgaatttc 360
gcattcatag cgatcatcaa tcaactaagt aca 393

<210> 15305

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15305

tgctagcttt tagatccggt catggaaaga cttggcaact gccttcatta ggcagtacca 60
atacaacacg gatatggctc ctgatcggaa ccaacttcag agcatgacca agcgggagca 120
tgagctcatt aaagaatatg ctcanagggtg gagagaccta tcagcccaag tcgtcccccc 180
tatgactgac agggaaatga tcacgattat ggtagatacg ttgccacat tctactacga 240
gaagctgata tgatatatgc cggctaactn tgcagacctc gtcttcgctg gagaaagaat 300
cgagctcgga ctgatgaaag gcaagtttga atatgcctcc agcgttgccc ccaacaacaa 360
tagaagagcc ncagtgggtg gcacacggga gaaggaagga gatacccacg cgatcaccac 420
cgccctaaca tggat 435

<210> 15306

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15306

agcttctttt ntaaatggca ttactacac cgtaaacan atatgaaaat aatcagctgc 60
cgggtgttgt ttggtagcta aaacaaggca gaaattgtaa atttaatgaa aagatcaatg 120

gttaaggaat gataatgtaa actaatnttt attctcaatt aatactcaat taatttttaa 180
 tggcattntc taattgatat aattnttaag ataattctat taacaaatta acanatgtgt 240
 attttggtta attgtattct tcaaaagtgt tttttttatt aatatgcttg tctaaactat 300
 gtttctcttt ntataataag taatatctac ttattacaaa gtatttctta aaaacatctt 360
 ttttgaaca ttatgtttaa agttatcttc tcttaaatg 400

<210> 15307
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 15307

agctttgggt ctaatagctc caatcacgtc tattcccat atagagaacg accaaggcgc 60
 tgccaagaca ttcaaaggta caggtgaagc attgacatta ttgacgaagg cctgacactt 120
 gtggcacttt ctcatatgga tgcaacaatc gttttccata gtgagccagt aataccctgc 180
 tatcaaaatc ttctgggcca tggcatttcc attggcatgt gttacaaagg atccctcacg 240
 tacttccact agcatctgct tagcctccct ggcattccaca catcgaagca aaaccatatc 300
 atgggtcttc tatgatggga aaaccaagtg cttggttcaa gttggatctt ctaggatgga 360
 atttgtgcac caggagcaac aaccc 385

<210> 15308
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15308

cgtacnncca ccattttcat agtagaacat tggtaatgtg ttactatca ttgtaataat 60
 ctctctctat gttattgagg gtgctacttg agctgccaaa tcttccacc tctgggcata 120
 ttccttgaag gattcatgct cttttttgca catgttctat agttgcatct tatctgaagc 180
 catatcagaa ttgtactgat actgcttaac gaacacaacc attaggctct tccaagaatg 240
 gactcaggaa ggttcctaag ttagtatacc aggtgatagt tgtcttagta agactttctt 300
 angagaaatg tattagcagt ttctcatctt ttgtgtatgc cncatcttc cgacaatata 360
 tctttagatg gttcttggag caagtagtcc ccttgtactt gtcaaagtcc gacaccttga 420

acttgngaat gaccatgttc gggactaag aacaactctt ct

462

<210> 15309

<211> 381

<212> DNA

<213> Glycine max

<400> 15309

tcaagtttga caggtttgaa atatatctct gatgtcttat atgtgctga cattgatcaa 60

aatctactta gtattgctca gcttgtagag aaaggcttca aagttatatt tgaagaaaat 120

tggtgcttga tcaaagatgc aataggaaaa gacgtattta gggtaaaaat gagggtctaaa 180

agctatgctt taaatctaag ggaggagaag caaatagctt tttcaagcat gaccaccaat 240

gttgaactat ggcacaaaag gctcggacac ttccatcttg ctagactttt atgcatgcaa 300

aaacatgcct tggtgaaagg tgtgtcaatc cttgaagaca agttagccga ttgctgtggct 360

tgccaatatg gtgagctagt c 381

<210> 15310

<211> 356

<212> DNA

<213> Glycine max

<400> 15310

agctttaaca ttcaacttcg agcgtctcga tatattacag gactcaatca aacatccgag 60

aaaaaagtta ttgtcgtttg aatttgcctca gaggttcaac attcaatttc gagcgtctcg 120

ttatattaca ggactcaatc agccatccga gtaaaaagtt attgtcgttt gaattggctg 180

agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaaa cagacatccg 240

agtaaaaatt tattgtcggg tgaattggct cagagcatca acattcaatt tcgagcgtct 300

cgatatatga cgggactcaa tcagacattc gagtaaaaag ttattgtcgt ttgaat 356

<210> 15311

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15311

gacactatga tactcagctt gagccattca nacaacaata acgttntact cggatgtctg 60
atttgtttcc gtaacatata gagacgctcg aaattgaatg ttgaagctct gagccaattc 120
aaacgacaat aacttttttc tccgatgtct gattgagtcg cgtaatatat cgagacgctc 180
gaaattatat gttgaacttc tgagctaatt caaaacgacaa taactctttt ctccgatgtc 240
cgattgagtc cgttaacata tccgagcgtc cgaacatgaa tgttgaatct ctgagcaaat 300
tcaaacgaca ataacttttc actccgagtg ctgattgagc cccataacat atcgagacgc 360
tcgaaattga atgttgaacc tctatgccaa ttcaaacgac aataacattn tactccgatg 420
tatgatngag tcccgttaaca tatcgagacg ctccganattg aatgttgaag ctctga 476

<210> 15312
<211> 383
<212> DNA
<213> Glycine max

<400> 15312

agttttgatg taacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttggatcaa atggagaata gagaccatat gaattgctca agagcttcca ttgttcaatt 120
tcgagcgtct agatatataa tgcgcctcaa tccgacctcc gagttaaaag ttatgaccat 180
ttgaaatgct caagagcttc cattgttcaa tttcgagcgt caccgatatat tatgcacctg 240
aatccgacct gcgagtgaca acttatgacc atttgaattg ctcaagagct tccattgttc 300
aattttgagc gtcacgatat attatgcacc tgaatccgac ctgcgagtga caacttatga 360
ccattttgaa ttgctcaaga gct 383

<210> 15313
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15313

agcttgagtt gtacaagcca aaagtgcagc tgattaatac ttgtaacttg ttgaagttaa 60
tgaaacttgg tggtttagcca agaactggac atatgggggg atgatgcaat cctaccccca 120
agggcattgg atagaagact ccaagaagat tgggtcagaa ctactgaaga aggccttatg 180
gttaggtttt tggcccatgg actaagtatg agctcactta tctttgtaca tattagatta 240

gggttttcatt attttttggc cttgtattta gggctccata gtgtagggag ggtaccctag 300
 taaagtagga tctttcagcc tatgtattnt agggcacata gact 344

<210> 15314
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15314

ctcactcgga ggcccgattc angcgcataa tatatcgaga cgctcganat tgaacaacgg 60
 aagctatcga gaaattcana tggtaatac ttcgaaactcg gaggtcctat taagggtgcat 120
 aatatatcta gacgctcaaa attgtacaat ggaagctctc tggctataca aatggtcata 180
 acttttcact cgaaggtccg attaaggcgc ataatatatc gagacgctca aaattgaaca 240
 atggaagctc ttgagcaatt caaatgggtca taacttgtca ctcggaaggtc cgattcagct 300
 gcataatata tcgagacgct cgaaattgaa caatggaagc tcttgagcaa ttcanatggg 360
 cataacttgt cactcgaagg tccgattcag gcgcataata tatcgagaca c 411

<210> 15315
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15315

agtcttgtag caaattcaaa cgacaataac tttttactcg ggtgtccgat tgagttcagt 60
 aatatatcga gacacttgaa atagaaaacg aaaacttgta gcaagtgcac accacaatca 120
 attntaactc gtcgcgaaat atgttgagat gtcgaaatt gaaaaagaaa tttcatagca 180
 aattcaaacg acaataactt ttacacgga tgttcgattg agtcccgtaa tatatcgaga 240
 tgctccaaat tgaaaacgga tgctcaaata atattcagac gacaataact ttctacacgg 300
 atgtctgatt gagtcccgtg atatatcgag acgct 335

<210> 15316
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15316

cactcagctt cgtaattca ccgctcgata ataccggctt catccggatt ttcgtgtata 60
aagntattgt catttcaatg tgctcagagc ttctagtctn caatttgagc gtctcgatat 120
attaccgat ccacgggac atccgagtaa aaagttatcg tggcttgaat ttctcctgag 180
cttccatctt caatctggat catctctoga taaaccacga cactctgctg ggcattccag 240
taaaaagtta ttggcgtttg actcttctaa gagtttccat tntcaatntg gagcgtctcc 300
atatattacg ggactcaacc agacatccgt gtataatgtt attggcatta caattctctc 360
agagcttcta gtctcaattt ggagcgtctc gatatattac ccgattcaat cggacatccg 420
agtaanaagt tattgtcgtt tgaatctcta tgagcttccg tntcaatttc gagcgtctcg 480
atatattaca ggactc 496

<210> 15317
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15317

tcaagtttgt ggatagcatc cacagcattg ttttcaccca aggaaatggg ggtcctgaca 60
ccatcaagaa gatcaccacc attgaaggtc agttaattaa tgttaccttt aatttttttt 120
atttgtaaga ataaaagaat aaaaaacatg taccaaaatt tacaccaact catgtactta 180
tatattgttc agctaattga gttagatgct ttgattaata ttatcattaa ttaattcaat 240
acaagatatt ttcttgaact tatatataaa caaaaataac tattttcaca cagagttata 300
attaaataaa tgatattgta ataataatat cattaaatag gaatgaagtt acttanatgt 360
acttatattt atatttgagt gttagataga gtaact 396

<210> 15318
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15318

aaacaaatcc atgtatggtt tanagcaatc cnccacgcaa tggaatagga gacttgatga 60
 atttatggct cacataaagt ttcatagaag tcactatgat aattgtgtct acttcaaatt 120
 tccttctaaa gtcgagtttg tgatattgct attatatggt gatgatattt tgatagcaag 180
 taatagcaag agtaaggctg agaaattgaa atctgagctg agcacggaat ttgaaatgaa 240
 ggatttggga gcagctaaga ggatattgng aatagaaatc aaacgggata gaacaaagaa 300
 attgaggatc t 311

<210> 15319
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15319

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 ctgttcccca aattcctgaa aaatgtaaag atccaggtag attcagcata ccttgtatta 120
 tagggaatag taagtttgac aatgccatgc tagatttagg agcttctgtt agagctatgc 180
 ctctgtctat ttttaattct ctatctctag gtcccttgca gtcaactgat gtggtaattc 240
 atttagctaa tagaagtgct gcctatcctg ttggtttcat agaagatgct ttagttagag 300
 ttggtgaact gattctccct gttgattttt atattntgaa tatggaggat ggg 353

<210> 15320
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15320

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 ccaccttatt agttgtaatt tctcacagtg gtcttgctc gatcccttgn gtgaagtaat 120
 cgattgccat tagtaggtat ttaactgttc ttggggcctt taacagtggg cccagtatgt 180
 tcattcctca catggcaaag ggccatgagg agctcacact atggagattg tccggagggg 240
 tgcattggaat gcttgcaaac tcatggcatc atctgcatct ctttgtaaag tcaaggggtg 300
 ttgccctgaa tggtggccag tagtagccaa cagcaccac ctttggtgaa gggatcgtcc 360

ccagtatgga gatcgaatat tccatcgtgg agtcctctca tgacataatt tgctag 416

<210> 15321

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15321

agttttgtgc aactgaagca tgggaagaag acattctatg ctaggcatca ttgatttctc 60

aaagaatatc acccaaatcg ttggttgaaa aaaactttta atggaagata ggagtttgga 120

tttgccccga taccaataac agaaaaaaaa atttatgagc gagtggagga aatatgtact 180

atctttggaa agacccaaaa gaaggatgca aatgagaaaa acaaattggaa aaagaggtct 240

atattctttg atcttccata ttggtttgtc ctanatgtta gatattgtat tgacatgatg 300

catgtggaga aaaatgtatg tgatagttaa atcagcacac ttcttaacat taaaggcaag 360

acaaatgatg gtttgaatgc tcgtc 385

<210> 15322

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15322

tcttggtatgc ctaagtgtgg accctctagg gcaatcctcc atttccattt attttgagcc 60

ccatgaatgt catggcctag cgtagctcat gtgtactaca ccttcgagta tggagccccg 120

cgaatgtcat cgtctagctc tattagccaa ttctccattc cacactttta tttggagccc 180

catgagtgtc attgcctagc gctgtacatg tgcctccac cttcaagtct ggagctatgc 240

ttcatgaatg cctaagngtg aaccctcttg tgcaatgtc cattctccac ttttattctg 300

agcctcat 308

<210> 15323

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15323

cactcaagct ntctcttttg tgcaactatc tcctcctctt tttcaggtgt agaatgaagc 60
 ttgtcttgtt ttggtgcagg tgctgctact ggtggagaca cttgaatttg gattccagac 120
 ctcaaggtga tggcactcac attnttcaga ttctgcacag tttgtcaagg atatttgtca 180
 gaattttgng actgagcttg tgtcaattga gtagccatct gccccatctg atctatcaaa 240
 ctctgaataa aggetcttct cctcactca catttcatat tctggatggt ccttgcctc 300
 actaactctt ctaaggaagg ttgaggaaga gctcagttg cttggtggat ttgttgagac 360
 tgccgctgta ttggaggagg aacatatggc ttgcttgtag cagcaacatt ct 412

<210> 15324
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15324

cctctctatt ggggaatcac aactgatgga tatgtagcat ttgttatgat ttagttggta 60
 aggttcctct ctaagagcaa aattataatc taagcaagtt cggttaggct ctcaagtgg 120
 tgacaagtct cgtttaagtg gtcttttttg ccttggttaa caacaaaatc gagtgttagg 180
 tgcaaaaatt ggaaagctcc actacacata atagcagtat tatttatttc aatatttgtt 240
 tttgcattca tggttagttt gcttattntg tctgtgtggc tctcttcatt tatgaactnt 300
 gagacttata tgttatgata tatttcactc atttgatgag atgaactatc angtggaagg 360
 gtcagcagtc cttgcaggca cagagtagaa gatccatctt caaatagagt accgtgtgat 420
 gcattaatgg agtaatgtgt ttatgtgctt gtgacagtaa gtcttgcagc canggccatg 480
 taaatacctt taatgataac tat 503

<210> 15325
 <211> 326
 <212> DNA
 <213> Glycine max
 <400> 15325

gacattcata tatcaagtat cataatatta tcataaaaca taagaacata aaatatcatt 60
 attataattc aagtcattta aacacatgca taataattaa tctacacaca cacacagtta 120

gacaaagtac ataaattctc tgtaaacata cagtatttga caatttataaa tgtaatatta 180
gaataacatt atccaaagta agcaattctt aaaaaaatta tcatgtcttt ataattctcca 240
ctaactttta tagtaacttt aatagatgaa atgtagctgt attagcagat ggataatcat 300
gcatattaat gacttgaata gggata 326

<210> 15326
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15326

agctttgaga aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgaa 60
atatatcgag acgctcgaaa ttgaataccg aagcgctaag caaattcaaa cgacaaaaaac 120
tttttactcg gatgtctgat tgagtcccgat aatatatcga aaagctcgaa tgtgaatgta 180
gaagctctga gcaaattcaa acaacaataa ctttttactc ggatgtctga ttgagtcccg 240
taatatatcg agatgctcga aatggaatac cgaagctctg agcaaattca aacgataata 300
actttntact cggatgtccg attgagtccc gtaatatac ggaacgctcg aaattgaatg 360
tagaagctct gagcaaattc aacgacaata actttttac 398

<210> 15327
<211> 492
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15327

gctttcatat attacgggac tcaatcggac ttcctattaa naagttattg tagtttgaat 60
gtgctcaggg cttcgggtatt ccatttcgag cgtctcgata tattacggga ctcaatcgga 120
catccgagta aaaagttatt gttgtttgaa tgtgctcaga gcttcgggtat tccatttcga 180
gcatctcgat atattacggg actcaatcag acatccgagt aaaaagttat tgtagtttga 240
atttgetcac agcttcggca ttccatttcg agcgtctcga tgtattacgg gactcaatca 300
gacatccgag taanaagtta ttgtcgtttg aatttgctca gagcttctac attcaattgc 360
gagctnttcg atatattacg ggactcaatc agacatccga gtaanaaagt atgggtcgtt 420

gcaattgctc agagcttcag tattccattt agagcgtctc gatataattac aggactcant 480
cagacatccg ag 492

<210> 15328
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15328

gctatctatg cttttacctc aaatthttatt ttggtgaatt tatctatcaa agcattcacc 60
ctcaacattt aagagacttg tgagttntac cttctatcaa tttacacata acataatttc 120
actttntaac cccaattntt tttttggcaa attttaccct gatcttttgt tcttactaat 180
ggataatgat aggaataaag taagcaagtt ttcttaaaag tcaagagtaa aatgtgtcaa 240
attaattntt tgaaaataaa attcgccaca aaaaattgag ggtaaaaagt gtaattaagc 300
caaattaact actatthttca tcttactttt tctttgtctt tctaaaacaà tatatgacaa 360
ctattattgt gaaacggagg gagtaacatt atccattctt actaganaan naatattcat 420
tcctttgtat attacaagaa atagctatga taaccgaaga aatatgagtt ntgcttacca 480
tggtattgat atgaagtatc tatcacacaa gatcatgac 519

<210> 15329
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15329

atggtatggt atagagaata aaattattat gttgtccctt tgttnttctt cttcatcatt 60
tctcaattaa ttntcttctt taacgcattt gcatatgcag gttgagaacc atgaaattga 120
cacacaactg atgnggaagg tgaagcagtt gatcaatgca tactatgagg aaaacctgaa 180
ggaaagcttc taccagtctg agatagccaa gaggttgag aaacagcaga acacctctga 240
tatagattgg gaaagtacct tcttcatttg gcatcgcccc acctctaaca tcaatgaaat 300
ttcaaacatc tctcangagc tntggtaagt caatccatat atgttcttt ntctttnttt 360
ttacctacat gtattctctt ttagagataa ttntgattga gacacagtta aacactanat 420

gtgaatattt ctccanacat anattcanac ttgattacc atgtggtgga aactaaccct 480
tatg 484

<210> 15330
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15330

acccttgaa ctacttcaca ttgatttatt tggctccctca agaactatgc gtttatgtgg 60
aaattactat ggcttagtaa tagtagatga ttactcaaat ttcttggaact ttgtttttga 120
aaaccaaaaa tgaagctttt gatgattttc acaaacttgc caaggtgatt caaatgaaa 180
aaggctctcaa cattgtttca attagaagtgc atcatggagg tgaatttcaa aatgactttt 240
atgaanaata tgaaattcac cataattttt ctgcccccaag aacatctcan gagactggtg 300
ttgtggagag gaaaaataga tccattgaat aatgtgcaag agaccttcta tatgaaacaa 360
gggtacctaa gtactatata gaagaatgta tacatacgtg tttgttcacc ttgaacagag 420
tacttattag acctatct 438

<210> 15331
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15331

gcttctacat tcaatntcga gctnttcgaa tattacggga ctcaatcggg cttctctatt 60
atttagttat cgtagtttga atttgctcag ggcttcggta ttccatttcg agcgtctcga 120
tatattaagg gactcaatcg gacatcagag taaaaagtta ttgttggttg aatttgctca 180
gagcttctgt attccatttc gagcatctcg atatattacg ggactcaatc agacatcgga 240
gtaaaaagtt attgtagttt caatatgctc agggcttcgg tattccattt cgagcgtctc 300
gatgtattac gggactcaat cacacatccg agtaaaaagg tattgtcgtt tgaagttgct 360
cagagcttct acattcaatt tcgagctggt cgatatatta cgggactcaa tcagaca 417

<210> 15332

<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15332

agcttgaata agcgatctaa gtatttaata atatttagaa tatgttttga attccatola 60
tgaattatga gtaataactt tgaagtttaa atctgtatag gttataagtt aatttaaccc 120
cattatcatt attgcaacga aaaagcatta attaaatgca tttattaggc ttaaacatta 180
aatgttgtaa ttactaaaaa aactaagtat ttgttaaatt gttttcatat tgtcaaaggg 240
atttaactta ggtaggtta agcgaacgaa ttattgtaaa tttttttatc ttttaattcct 300
aagaacaaaa naattaattt tatattntaa aattntatta ttatcataac attgatggga 360
aactaatata ttacttagac attntttatt a 391

<210> 15333
<211> 385
<212> DNA
<213> Glycine max

<400> 15333

agtttaattg gttcaggccg gtttgacaa gtctacgaag gaatgctaca agataatata 60
agagtagctg tgaaggtgat ggatacaacg catggtgaga tttcaaggag ctttagaagg 120
gaatatcaaa ttctgaaaaa gattaggcac agaaatttaa taaggatcat cacaatttgc 180
tgtaggccag aatttaattg ccttgTTTTT cccttgatgc caaatggtag ccttgagaag 240
tacctatatc caagccaaag gttggatgtg gctcaattgg taagaatctg cagtgatgta 300
gccgatggaa tgtcttatct gcaccattac tctccagtga aagtagtgca ttgagatctt 360
aagccaagca atatactcct tgatg 385

<210> 15334
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15334

agttttatat actttccatt tttatataat aggactatga aagttttacc tgaaatgttg 60

aacatataac aaaaatattg ggatatatatt tacacaaatc atgttggcca agcttcatgc 120
gtatgttttg tactattaag tcaatggcaa catcattatc tcctccactc gggatgataa 180
tatcagcata ctttttagtt ggcaatacaa aatcttcaaa acttggcttt acaaactctgg 240
aatactgaac aatcatnttg tatttagtca aggaggactt taaacatttt taaacaaaaa 300
gaactctgaa taagtatat gctgaaaaga aagcttcaaa gaactaatad aaaaatgttc 360
aactagggga ttgttagta 370

<210> 15335
<211> 374
<212> DNA
<213> Glycine max
<400> 15335

agcttctaata ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggt tgaattaaga tattccaaac tactttccca attaaaaaaa 120
actatttcac tttttattca agttatgaat tcccttaatg acaatcttct taaatattga 180
ttcaaataaa acaatttgaa tatgaatata aagaaataat aaataaagga gattaaggga 240
agagaaagtg caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta tcttggaat tccttttaca agttctaaac 360
acacaaggac aatc 374

<210> 15336
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15336

taaatactat gctatttcag agagattatg gaagtcaaat cctagtcgtc aagatatatg 60
tggatgatac catattcagt gctactaatg acttgttgtg cgaggattnt tccaaactta 120
tgcaggcaga gctcgcgatg agtataatgc gagaattgaa gatctttgtt ggacttcaaa 180
tcaggcatac aaactatggc atatacacac atcgaaccaa gtgcatgagg gaacttctga 240
agaagttgaa gatggatgat gaaaaccaa tgataacact tatgcatcca accactgtac 300
ttggactagg canagaatca tagcgggtgg atgaaaagac atacaaagaa atgataggat 360

atcttttga tgtcattgag tccagacctg acattatggt cagtgtatgc ttct 414

<210> 15337

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15337

actgaacata ttctcggatg aaatgatgat cgatgtctat gttctcgtat cgttcatgat 60

gagtanggtt ggaagcaaga catatagcag atttattatc acaaaatagc atcacagagg 120

gcacatcaac ttcaaagtaa agaagtaact agcttaacct aacaatttca ctagtaacag 180

aagacaacgc atgatattaa gtttcaactg atgattctga aacagtgagt tgcttcttag 240

aacgcctaga gagaaggggtg tctcccatat aaacacaaag gccagaagtg gatcttctgg 300

tatcaacaca gcgtggccaa tcagcatcag caaatgcagt gaagttgaca gagttgtgag 360

catggaagaa caaaccttgt tcaggagcag atctgatata ctacagacga atatgaacaa 420

catgtagggtg acgaactcta agtgctttca tatactgact taatcgatca c 471

<210> 15338

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15338

tacctcaatg cnattttcct ctatatccat gaagatagct aacatacacc ttnggaaagt 60

ggttgggtgca ttccacaatc canaggatat ccttatgtat gtaaaaacat caaaaggaca 120

agtgaagta gttntctctt ggtctttaag atctactaca anttggttat agccgaaata 180

accatctaag aagcaataat aagcttgtag ggccagccgc tctaacatct aatccatgaa 240

aggaagggga aagtgatcca tccttggtgc ctgtttaaga attttataat ctatgtacat 300

tctccatccg gtcattgttg ttgtgcgaat taattcattt ttctcattct taacaattgt 360

catgccaccc ttcttcagat ccacttgac tcaactaacc catgcactat ccanaattgn 420

gtangtcatt ctagcttcta gaagtttana acctctttcc ttaccccttn cttcatcaca 480

agaatcaatc t 491

<210> 15339
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 15339

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agcttclagg ccttctggag cttcttgcct ctactgcttg aactgcactt gcaagctt 60
cttgaacttc accagtaaca tcatcagggc ctggatcact taatatctct gcattgatat 120
gcatcattgg cttcttgcct ggatcatgct tgtgcttcat ccatgtgttc agcttatcga 180
attggacatc cttactaaaa actattagat tcgctcttgg atctaagagt ttgtatgacc 240
ctatgggatt gtagccaaca aagatcatgt gttcactctt gtcaccaat ttcgcccttg 300
attgatcagg agtatgtcat gaacatgatg aaccacaaac tctcatatgc ctcacag 357
  
```

<210> 15340
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15340

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gctttctctg acacctacat tcctatacga tgaaaactnt gtttgtatac acacgtatta 60
ttataaacc cttctcttta tatcaacacg gtctatataa aacatctatt ccttttcaaa 120
gatttctttn tcctttntca acatacactc gttgttgtat aaaacaattt tctttatata 180
cactcattgc tcacacacca gaatttcttt tcacacatta tttatacaca caaaatcttt 240
tcatacactg tntatataca aaaactctnt tcttttcttt atataagata tgacatttgt 300
tcacaacgcc tctntctttn tctattcttg gtgttatcat gatgtttgtt cgttntattn 360
taggacgacg ttcttaaagt aaaactctac acggttcggg aatttaacan acattatcga 420
caataacgaa gtaagcacta nagcaacagt tcaacataat gtatgcacaa aacanatgac 480
aatcaaaaca acataaacia ac                                     502
  
```

<210> 15341
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15341

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acattgatct tagcactagt ctcttcacaga ctatccttga tggngatggg aacacgatcc 60
anaagctatg ctagctccat cttctcatct tgccttactg ttacatactt gaattcttca 120
ctcatagaga acaatcgaca aagctctatg tccccattg taggcttcaa atgctcgcga 180
tatgtggata tggatccgtg tgttatgtag tagtagctgg caatacgacc caagtcaagt 240
acctgaaaat atccactctt cctatcatac ttcaccaaat tatttctatc caagatgggt 300
gcagccgtat gaatctgcaa aatttcagca agatataaag atcanaatca gccataaaat 360
aatataagac aggatgaaca ggcaagaaaa anattcaata ttgaatatca tcngaaattc 420
atttaagaaa aaatttgaag gagataaatc agactaccaa agaagaccaa gaacctatct 480
ctaa 484
```

<210> 15342
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15342

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ggaggaggat gtctctgcac ctttacgcan agggccttgt tactattata agagaactnt 60
ggaaggggaag gagtatgttc aatattgcag ggccttata tctgataacc aaaaggtgcc 120
atatgtgcat gacatcatgc ccacaggacc tgaagctcct ccggagcatg ttattttgga 180
tgtgaatgtt aaggcacaac atcaccaata ctgcaccaat actacagtat tgggtggcttt 240
aaggttagat catatcatta ttaatggcat tttttctcac tttnttctgg cttgtttcct 300
gacttccaag ttctgacctg ctnttatnt attccaaact tcacttcttt tcaggtcagc 360
ccanataaca agttggtagc atacgccgaa gacaccaaag gagatgaaat atatactgta 420
tgtcattgat gctgagactc aagctactat tggagagcct ctttgtggtg aacatcatac 480
tttgat 486
```

<210> 15343
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15343

cggacctatg atactcagct tggatatctcc ttcttcacta catcaagaat caccgggtta 60
tgtcttctct gtggctgtct tactgggttta gctccatctt ctaaatttat tcgatgcata 120
catgtggatg ggctaatacc aggaatgtcc gccaggggtcc agcctatagc cttcttatgc 180
ttcttgagaa ctgacaacaa cttctcttct tgcctcatcag caagggaggc agatataa 240
actggaaaac tcttgctatc atccaagtaa gcgtatttta natttgatgg caaaggcttc 300
aattctggtg tggtcggctg gacagtggta gaaggagatg gtttctcagc ctttacctca 360
taaagaaagt cagaggatg tgtacttcct gaaacatggt tagtcctatc tgactctata 420
aatcaatct caagaagtaa aacaccacca ccaggcattc atcaatatca ctctcagatt 480
actctcacat caaattc 497

<210> 15344
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15344

agctngatac aaacccttgc tacttttgct atactcgaag ctatacgaat catgcctttc 60
tttgctactc actctcatat aaggatactt cagatggctg ctaaaagtgc cgtcttanat 120
ggccttatcg aatagggcat atatgctcga caacctcttg ggtttgaaga tcgtactctt 180
acacaccatg ctttcacact taacaatgct ttgtatggcc tataacacga accacacgct 240
tggagagaca gactgtgttc attgctctta gaaacggtgt tattaaagtc acaacggata 300
cctctctctc taaatgacaa gttggcaccg aattcattct agactcaatt tatgttgatg 360
atagtcttgt tgaagctact aacgaatctc 390

<210> 15345
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15345

agcttcaaga ttaagatggc ctcagcaa attccttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agaggggttac cactactgga aaacccgaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180
acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
cctagagata gatggtcaga agaggataga aaacgagtac aatacaacct anaagccaaa 300
aacataataa catctgcctt aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360
gctaataana tgtgggacac tcttcgataa cacatgaagg aactacagat gtttaaagat 420
cta 423

<210> 15346
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15346

tactcaagct nttatcattg cttagaatag gatagtacga ttccatacat tgtaatctct 60
ctgttgatga gtggcccatt caaaagtgcc atatgtctat gggaaggata ttgcacttac 120
gggtgaacaac ggttgaacat atagtctttg ggggttagctg gtctgggtatt agatgataaa 180
gaccatgtct cgcttcaatt ataccaatct tcatacgttt gttcgtatcc tgcaacatgc 240
atgaattgga agaaaatatc aatgcacagt cagtagatga cagcagtttt gaaatggaaa 300
taatattgaa agcgaatgtg ggtcttaata atacattaaa cagcgttata ttgggtgaga 360
gggtgtacgac ttcggaatga gtaacgtgga catgatggcc gttatgaagc ttactgtga 420
ctgggttgat gcattcatat g 441

<210> 15347
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15347

agcmtgagc aaattcaaac gacaataact tttagagtcgg atgttcgatt gtgtcccgta 60
ggatatcgag acgctcgtaa ttgaaaacgg aagctctgag aaaaatcaaa cgacaataac 120
ttttaactcg gatgtccgat tgaaccctgt aatatatcga gacgctcgaa attgaaaacg 180

gaagctctaa gaaaagtcaa acgacaataa cttttgactc ggatgtccga tatagtctcg 240
 taatatatcg agacgctcgt aattgaaaac cgaagctctt agcaaattca aacgacaata 300
 acttttgaca cggatgtcca attgagtctc gtaggatatc gagacgctca taattganaa 360
 cgaaaactct atgaacagtc aatgacaat aactntcaat toggatgtct gattgactcc 420
 cgtaatatat c 431

<210> 15348
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15348

ctggaactac ttcacatgga cttgatggng cctatgcaag ttgaaagcct tggaggaaag 60
 aggtatgcct atgttggtgt ggatgatttc tccagattta cctgngtcaa cntatcaga 120
 gagaaatcag aaacctttga agtattcaaa gagttgagtc taagacttca aagagaaaag 180
 gattgtgtca tcaagagaat caggagtgcac catggcagag aatttgaaaa cagcaggttc 240
 actgaattct gcacatctga aggcattcact catgagttct ctgcagccat tacaccacaa 300
 cagaatggca tagttgaaag gaaaaacagg actc 334

<210> 15349
 <211> 316
 <212> DNA
 <213> Glycine max
 <400> 15349

ggatatccat ctaaattccag agcatgcacc aaaatcatat tcaaacgcat atccggcaca 60
 tgttgcatgc ctttcaatct tagtgtgcca ccattattgg tttgaatgca cacatcacca 120
 atcccaacaa tgtttgtaat gctactattg accatgttca cttttccaaa gtctcctgct 180
 ttatacgtag taaagaattc cttgttgga gtggcatgat aagatgatgt tgagtcaatg 240
 acccattcaa cacatgaata tgaaacacgg cactattcat cttccacaga gatcctgtgg 300
 gtacaagtgt gaagtg 316

<210> 15350

<211> 344
 <212> DNA
 <213> Glycine max

<400> 15350

tgctctattc aatgggagtg acaagaatat cttcagactg atcaacacat gcacagtggc 60
 cacagatgcc tgggagatcc tgaataccac tcatgaaaga acctccaaag tgaatdalgc 120
 cagatggcaa ctattgggca caaacatcga aaatctlaag atgaaggagg aagagtgtat 180
 tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcactggct tgggagaaaag 240
 aatgacagat gaaaagctgg tgagaaagat cctcagatct ttgcctaaga gatctgacat 300
 gaaagtcact gcaatagatg aggcccatga catttgccac atga 344

<210> 15351
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15351

agcttggcaa acatagctgg cacagaaaagg atatctctc tagatagaag cataatatca 60
 tctgcaaaaag ccatatgaga tagttgaata cctgcacagt tgggatgaaa tttaaaattg 120
 gcatcatcct tgaggctgct catatctcta gaaaagtact ccaaacaag cacaacaga 180
 taaggggaga gaggatcccc ttgtctaaga ccccgctgcc ctttgaagtg gccataaatg 240
 gatccattga ctgccacact aaaggaagtg gaagaaacac attccatgat ctaagtacag 300
 aactgggctg ggaagccaat ggacttaatc atccaatcca agaattccca ggaaatggaa 360
 tcataagctn tatgcaagtc aattttcagt aggcaactcga cgtgtatttt caaacaataa 420
 taatgtgtg 429

<210> 15352
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15352

agctttctat tctaacctcg aaattcaaga gagcactttg attnttgagg tttatgggat 60

aaaaatgggc attgaccaat ccctattcta tgacttgacc caattatcta gtgaggggtgt 120
 accatttgaa ggtgcattga atgatgattg gaaatttgat ttctctgtgc atgatgcca 180
 ccggttggtt tgcaccaatc aagcggatat aaccgaaagg cttattgccg gatcattggc 240
 tnttgaaagc cgcaccttc actatctcat tgtgcgtatt ttacctcaa gatcttcaaa 300
 ccttgacaaa gttctgaag aagatcttat tctatgtga gctttcata ccgcccga 360
 aattgattgg acacacttaa tccgatatcg catgca 396

<210> 15353
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15353

agcttggcct atccacatc acatgttagg tgcaatgcaa ttgcatacaa atgctgactt 60
 ttctttttaa aaaaataata aaacaaagat atttgccggg cccatgttgc tcaaacgctt 120
 tcgttntcag ttgtcacatc ttctgtaggc acatgaacat gtcttgcaag ggcgagagct 180
 ggcccatttg atactgaaca gtgccaaaaa ggtaatcatc cacggaaagg ttattatcgt 240
 ccaagtaatt aaactgaaga tcaaacgcgt tntctagctn taggtccaga tcatcgttcc 300
 acttgggtgc gctctgcacc tgctctcgc acgtgacatc gggcgaaacc acgtgctccg 360
 aactgctcga agtcgtgttc aaccttggca ccgaatccga agtctacatg tac 413

<210> 15354
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15354

agctttaact atttatggac tggttgtagc attagcactt ttatttgcta atccttttgt 60
 ttaatcctaa aaaaatagaa atacatantc ctttttccgt ggacttgctt taccggtctt 120
 gctttttcga attctattta tattaatatt tcactcctat aattctttat ccgttcggac 180
 aagaacacag gggaaggact aattgaaagg tgaagaattc acatactgat tcgccctctt 240
 tcttctcttt cttagtccaa tgaccccccc ttctttttta gataattatt ctcaagtgtt 300

aaaacttgag agatcttgca atggatataa gaactggtat ctaattcgaa taagtatcat 360
tcttttggga atccttcaat tgattgacca tccaaatata tatggaatat atatat 416

<210> 15355
<211> 447
<212> DNA
<213> Glycine max
<400> 15355

tcttaciaag catacggctt tctggatgta gatgatgata tctatacaga tggatcttat 60
atatctatat atctatagat agatatatag atatagatat atagatatag atcatacaat 120
gaagtaccgc acgagtgggt atataggaat ccaaactctgc cgaatcactc atgttatgat 180
cttctacatc ctaggtcttc cggttccttc atctggctta tgttcttcat gtagcattca 240
gaçtgaatga ctctatgaaa ttacgtcgct acttccacat ggtacgggta acgtaggaga 300
catctctatt tttccggggg gaatccttat attaccacag ctttaacttcc attcgcctct 360
gacatcacat gaaaggataa cccgcctccc tcttgaaatt taaacaaagg tgttcggtct 420
gtcgtgttga acaatttgct ttcatat 447

<210> 15356
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15356

agcttgagct tgacttgttt aactcattta taacttatga tttttgcttt tacaatttgt 60
taaattatct ttttaacttta tcgattaagc atttgataat tattttaata ccagataatt 120
atttactact taaaaaatgt gcttaacatg tgatatgtgg aattaaatct ttttagacta 180
ttaaaatagt tcatagctta ttgaccttta caaaaaagaa acttcanaat caatttaaca 240
ttctcaacaa agttcaaatt acatattttc ataatacaata tataaataac aaagaccaat 300
aaaatcttca tcaattnttg tatcaactaa atcattttaga cctcaatgaa acatanacaa 360
caacaccttt catgttttct aatttcaact aaaaaatgat aaatagt 407

<210> 15357
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15357

agcttaacca atgganaaag agtcatctta ccttcaacgt ttgttgggag cccacgttat 60
atgaatcaac ttaacttga tggatggca atatgcagtc atgttgggtt tccaaatctt 120
ctattacttc taacctglaa tccaaatigg cctgaaatc gtagattact ttcagcttgc 180
aatctcanac caacagacag accagacatt gtatcacgaa ttttcagatt aaaatatgaa 240
cacatgctgt caaacttaac aaaggggtcaa ttactgggaa aagtgggtgca tgtaagttga 300
ctattcattt tataacttaa tacaatatata agttgcttat ttggccattt ttctttgttc 360
tataatgcag atattaatgg ctaanatatt acaatntagc caacactttt atagatatga 420
gatacagaat ta 432

<210> 15358
<211> 307
<212> DNA
<213> Glycine max
<400> 15358

tctcgtagta cccctccacg tcattcccaa acaccgacgc gagccccatc ccgtgataac 60
cacgtgcttc ttcggttctt tctgccacta cggggcggac accttcggcg cactgtggc 120
ggacacgaag aacacgcgct tgcgaaagga ggcgcacgc ttggcggcgg cattgttggg 180
gccccgaaga gggccaagg gagaaccgcg gaggggtgatg atcatggaag gccaggttgt 240
tcgttagagc ctcatggcg cgcgcgctc gcattggtgt tccgcgggtg gtttgggggt 300
tggagat 307

<210> 15359
<211> 396
<212> DNA
<213> Glycine max
<400> 15359

tagcttaagc ttcttcaact gcacaaggct cttaatatct gaagagtatc cttatggaac 60
cttcacctga cacagatact gacaaaaaat tatcttctcc tttttggaca aagtatgaca 120

atccgggggc aagtaaatct tctttccatc agaccttgta tgcaactgtg atcgtatccc 180
catgtcagct agatcttgac gagtattcaa gccatccttc ttcttgccctt gaatgttaag 240
gagcatccca atcacactgt cacatacatt tatctccaca tgcataacat caatacaatg 300
tctaacgtcc agatcaaacc agtacggggag atcaaagata atggacctct tcttcatatg 360
gaagtcttac tcttaatctt cttttgggac tttcca

<210> 15360
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15360

agctttagg cctaggatct tcatcaatgg attccttttc tttttggaag atgaatggca 60
gcagaatgga gaaggaagag agagaggaga cgccacttca aggagaagat gagtctagaa 120
gaagctcacc accataggag gccatggata agagcttgga ggaagaagga gatgaatgaa 180
gggagaggaa gagaatagca cgaaattnta tgctctaaaa gagctctgaa atctgaagtt 240
taattttcaa attatcaaag ttgaaaaaat gcacacacat gacctctatt tatagcctaa 300
gtgtcacaca aaattggagg gaaatttgaa tttctattca natttcactt gaatttgaaa 360
ttgaatntat ggagccaaat tttggagcca aaatttcact aattatgatt agttaat 417

<210> 15361
<211> 384
<212> DNA
<213> Glycine max
<400> 15361

cactgtatag actgctggtt ttatgtatta cagaccaagc gatgtgaagt gttaaccgcg 60
catattggta agactgacaa tctcttctct tctttttctt ctcatctctc tcagtcgaat 120
tcttcaactg aaaaataata ggaaaaattc cgtcaatata aatttgcaag gtagaagaga 180
atatataaaa aggttggtgc ttaacgatca gactcaccat aataacaaga atccggacaa 240
aaactgcgac caaatcggtg aacaaggta aggcattgtg tacatagtcc agatcgccca 300
agtgtgccct ctcaacctat tcttgggtgt ctactacaat gtaacctaca aacaccaata 360
gcccaaagta caactgcaac acca 384

<210> 15362
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15362

agcttttgaa cctactatg gattttcagt cagttgagca cccgtcacat tcatgcgaaa 60
 aaatctggga aattgctaata gaagaacttg gaaatataga cccatacagt ctctttactc 120
 ctccgtgccca acatgctaata gttagccagt taagtcgggt ggtgagaaga aagcatgtga 180
 gtggtaacat tttaaatttt ttagtatact atacagggcc tgtaacgggt ttgtgatgca 240
 gatcattatt aatgatgtgt tatgcttatg tcatgctaca aagaattggg agactcagtg 300
 cagagtatga tccatgcact gaanagcact ccattgtata cttcaatc 348

<210> 15363
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15363

tagaatanat gtgaactgcg tacnctntgg taagaacctc cataagttga ctntgtgaag 60
 gtgcatatgg agtacaaatc aagcagcaat tgagcttttc cttgataaaa tgtttgtaaa 120
 cttctacatg ctttgttcga gcatgctaaa caggattatg agctatgctg atagttgatt 180
 tattatcaca gtatggtttc attgggtccat cccattcaat cttcaagttc tttatggaca 240
 caccaaattg actttttaat cgttgagaag atatntaaa agacattgct ttcttcagat 300
 ttttgtttaa gaacaaaacc caagtgatct ggttacaatc atcaataaaa gtcataaacc 360
 agcaagcccc tgaatatttt gaataggaga tggccctcan acatcagtat gaacagaata 420
 aagaggaaat atacttttc 439

<210> 15364
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 15364

tgagggaaaa cttgatgcat tgggtcaacct agttactcag ctttccatga atcagaaatt 60
 tgcattctacg cctgttgcaa gagtatgtgg tctatgttct tctgcagatc accatacaga 120
 tctctgtcct tctttgtagc aatctggagt caatgagcaa cctgaagctt atgctgcaaa 180
 catttataat agacctctc agtagcaaaa ccaacaacag tagaataatt atgacatc 240
 aagcaacaga tacaatccag gttggaggaa tcatccaaat ctgagatgga caagtcctcc 300
 ataacaataa cagcatgtcc ctctctgtca gaatgctgct ggtcctagca agccatatgt 360
 tcctcctcca atgcagcaac aac 383

<210> 15365
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15365

tcaacatcag accacttcca ggggtgctgga actacttcac atggatttga tggngcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120
 atttacctgn gtcaactnta tcagagagaa atcagaaacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtaatcaag agaatcagga gtgaccatgg 240
 cagagaatth gaaaacagca ggttcaactga attctgcaca tctgaaggca tcaactcatga 300
 gttctctgca gccattacac cacaacagaa tggcatagtt gagaggaata acaggacctt 360
 gcaagaagct gctanggtca tgctccatgc caaagaactt cctataatc tctgggctga 420
 agccatgaac acagcatgct acatccacaa cagagtcaca ct 462

<210> 15366
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 15366

tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggtgtgtatc aagcaaattg 60
 tcacctcccc cttaggctgg accaaacttt aattgggttg ggcttctccc aattcaatta 120
 aatttatctc ccaacacaca tcaaataggg cacttaatgc atgtgaaatt acaaaaactac 180

ccctaatacca gaaactagtc taggtgccct ataatacaag agctaaaaaa tcctacatta 240
ctaggggtacc ctccctacac tatggagccc taaatacaag tcccaaaaat aatgaaatcc 300
taatctaata tgtacaaaga taagtggctc catacttagc ccatggaccc aatcttcttg 360
gagtcttcta tccaataccc tcgagggata gtgatgtagc tccatgtgga gcttgagaac 420
cttgatcttc ttcatacaag ga 442

<210> 15367
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15367

tctggtgga catcttgact tgctgtccaa tctgacattc accacagatt ctgccttctt 60
ctatcttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattctct ttggagaata 180
gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
tgctgccctt cattaagact tcaactcttct catttgtcac caagcattct gactttgtga 300
agtttacatt gaatccttca tcacacatac gactgatgct gatcaagttc gcagtcagtc 360
ccttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tttcccatc 420
cagtgatc 428

<210> 15368
<211> 317
<212> DNA
<213> Glycine max
<400> 15368

cgctttataa cggtcctctt tgcttatatt ggttaaaatg gaccattcaa agcataaaat 60
caacatataa atttatcgct tttgcaagaa ctacgtaggt atgattttct catcacaatt 120
gaggatacgt aggagcaaaa gcccactttt tgtcgaccac cccaagagat cgtaattat 180
ccaacgcctt aacgcttctc tcatttcaaa aatcaagaga tcattaatgg tccaacgcct 240
taatgtttct ctcttttcaa aaccaagaaa ttgttaatgg tccaaacgcc ttaacgtttc 300
tctccttttc aaaaatc 317

<210> 15369
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15369

agcttgcaact tggaaataaa gatagtatct gaataattta aactacacag cttcaaaagc 60
 tcagcagact gttgtttcaa tataggattg caaccactct gaatcacgag caggagtttc 120
 gcagcaagcc ctgcatcaac cgcaatcgac gagcactcat caggtgaaag cttgcacacg 180
 gaccatagaa tcgacaaagc atactgagtg cagttttctg agatcctcat caacagcttc 240
 accatgatgg gtatgggtgtt agagcaatcc ttcaaagcca ctctaccttc ggngaccgac 300
 gccaacgcat ccagaaacaca nagggccaat tccgtacaat caggctccat gccagacaac 360
 aattcaacca actgagaaac agccccaatg ctcaacagca aattcctaac ttccttatgc 420
 anacanattg ttctga 436

<210> 15370
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15370

tcttttaccg taagagatgt gttccanatt atctagctat cacaatcatg ttgaaagcta 60
 accaattgat tctgaacatg tacttcccaa tcagtgggtga caaggggtgac agcattaaag 120
 catcatacct ccatcatctg gatctattga agaagagtgc cgcagttgca gagatcacga 180
 gaaagttctc aacaaatgag aacactntta cagtangagg gtcttttgct gttgaccctc 240
 * tgacacaggt canagcaagg ctcaacaatc atggaaagct cggggccctc ctgcagcacg 300
 agatcatacc anagtcagtg tttactgttt ctggtgagat tgacaccaan ggccctgata 360
 aaaatcccag gtttggtattg caattgccct caaccttgag gttttattca tttttagaaa 420
 gtgatcgag 429

<210> 15371
 <211> 428

<212> DNA
<213> Glycine max

<400> 15371

gcacctctta atgaaattgt ttaagaaaaa atgtgggggtt taaatggggg agaaacaaga 60
gcatgcattt actgcactca aaggaaaatt gactcatgta cctattcttg tattacctaa 120
ttttaccgaa tcttttgaaa ctgaatttga tgcattcaac ggggggataa gggcttctct 180
aatgcaagaa tgacatctca ttgcttattt tattgaaaaa ttgaatgagg gtgtgcttaa 240
ttattctaca tatgacaaag agttttatgc attggttaagg gcattacaaa cttgacaaca 300
ttaccttttg cctaaagtat ttgtcattca tagtgattat gagtccctga agccattaat 360
acgacaagac aagctgagca agagatatgt caagtgggtt gagtttcttg ataatttcct 420
acatgatc 428

<210> 15372
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15372

agctnttata catggcctcc tatgggtggtg agcttcttct agactcatct tctccttgaa 60
gtggcgctct ctctctctct tcttcttcca tttecgctgcc attcatcatc caagaagtaa 120
aggaatccat tgacgaagaa gatcctaggg ctacaagctc caatggagct tacatcacia 180
cagttcttct taatgtangc caagttaatg gctgtgctta agctctcgta ggtcagacta 240
tcagtggtaa ctctctagc tctacttaga gtagtgggtc aggctangaa ttcgagccta 300
aaggagttac tttgggcaat ggtagaaatc tgacctgaga atanggctcc aaagttcatg 360
tccatgcccg tgactaatcc gtacaccaac cgggctctgt ccatatta 408

<210> 15373
<211> 274
<212> DNA
<213> Glycine max

<400> 15373

tgaaggacat ggcctactg tgaatatatc atgtggcctt gtcgtgaatc agacatatgc 60

tcaccttcca ctcagtctgc agcacacttt aatagcactg ggctactgcc aattcaatta 120
tagttatcta ctaacacacc tcagatacgg cacttactgc atgtgagtat cactaaacta 180
cccatagacc ggagactact ctatgagccc tatagtacca catctaattg aaaatacatt 240
actaggcgac cctccctact ctatggagcc ctag 274

<210> 15374
<211> 346
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15374

taatatatcg agactctcga aattgaacaa cggaagctat cgagaaattc aaatggtcaa 60
tacttcgaac tcggagggtcc tattaagggtg cataatatat ctaaacgctc aaaattttac 120
aatggaagct ctttggctat acaaattggtc ataacttttc actcgaaggt ccgattaagg 180
cgcataatat atcgaagacgc tcagaattga acaatggaag ctcttgagca attcaaattg 240
tcataacttg tcaactcngag gtccgattca gctgcataat atatcgtgac gctcgaaatn 300
gaacaatgga agctcttgag caattcaaatt ggtcataact tgtcac 346

<210> 15375
<211> 465
<212> DNA
<213> Glycine max
<400> 15375

tgtccaaaga ttggttcatt aacttattct tggacaaaaa ctggttcttg agccacaatc 60
attagaggtg ataaccttta tggttaacttc aaaacattaa aggtctttta gtgtccatcc 120
catgttcgtg atttgttatt taattggaaa cttgagcttc atcaagttta atcatttttc 180
catgactagc tctacaagaa gtttcctttt tagaaatggt actcgtcttg ccacaagcac 240
tgtatggtca gaaggttggt ataaacaata tttcataatt tctttgggat acccaatgag 300
tctacatttc tcataccttg gctcaagtgt gtctatttgc aatctcttaa tgtaagtggg 360
acaatcccaa gccttggtgc gtttgagatt cattctagcc ctttccatat cacatatgga 420
gttgtagata tacttttcta agacatgatg tatcacatac acttt 465

<210> 15376
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15376

agtttcttag tctccagatga tgcagctgag ttgttagcta cctcatgcac tctctaatg 60
 actatggcat cacttcctggc gctaaactgc tgagagttgg aagccatctt cttcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tctttcataa aaatattgga gaagaagctg ctccgaaatc 240
 tgatggtgag ggcaactggc acatagtttt ttaaategct ccagtgactc atacaggctc 300
 tctccactga gttgtctaata acctgagata tctttcttga tggctgtggt cctggaagca 360
 nggaaaattt ttctaagata ctctctt 387

<210> 15377
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15377

gagcttgaca agctgccata gcagcaacaa catattctgc ttcacatggt gacaaaacaa 60
 ctagactttg cttctttgag caccaagaga ttggtgatgt tccaaatttg aaaacatacc 120
 cagcagtgtt tttctgttca tctttatcac cacaccaatc tgaatcacta taaccaaaca 180
 attttccttc tatattcttc tgactgtaaa gatataaaat gccaaagatcc aatgttcctt 240
 tcacatacct cagaatcctc tttgtgtcct ggaagtgagg tgtcttggtt tctccataaa 300
 cctgcttatc aaccaaacac aataggcaat gtcaggctctg gtgttacata ngtacctcaa 360
 tgagtct 367

<210> 15378
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15378

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 aatctgcacc tgtcgccaga ctctgtgggt tatgctcttc tctcgaccac cacacagacc 120
 tttgcccttc tgtgcaacaa tctgaaccaa ttgaacagcc tgaagcttat gctgcaaaca 180
 tctacaacag acctcttcaa cctcaatagc taaatcagcc acaacagaat aattatgacc 240
 tctccagcaa caggtacaat cccggatgga ggaatcatcc taaccttaga tgggtgactc 300
 cttcacaaca ggaacagcaa caacaacata cttatcttca aaatgctgct ggcccaagca 360
 gaccatacgt tcttncacca atccagcagc aacagcccca gaaacagcaa acagttgagg 420
 cccctccgca tcct 434

<210> 15379
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15379

tcttgggggt gcaacagggg ctaggactat ggaccaattc catatttggc aaaggcatca 60
 taattggaat tctggacacc ggcataaccc ctgaccacct ttcgttcaat gatgaaggaa 120
 tgccactccc accggcaaaa tggaatggcc gctgtgaatt cactggggag aagacttgca 180
 acaacaagct cattgggtgca agaaatcttg tcaaaaaccc aaactcaacc cttccactgg 240
 atgatgtang tcatgggacc cacacagcca gcacagctgc aggaagactt gtgcaggggtg 300
 ctagtgtctt tggcaatgct aagggttcag cagttgggtat ggcaccagat gcacactntg 360
 taatttaca ggtttgtgac ctctntgatt gttccgaaag tgcaatacta gctggaatgg 420
 gcactgcaat acctcacttg gaggaccatc tgttcctttc tttga 465

<210> 15380
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15380

agctntgagc caattcaaac gacaataact ttttactcgg atgtctgatt cagtcccgta 60
 atatatcgag acgctcaaaa ttgaatgttg aacctctgag caaatgcaaa cgaaaataat 120

tttttcttgg atgtcttttt gaggcccgta atatatcgac acgctcgaaa ttgaatggtg 180
 aagctctgag caaattcaaa cgataataac tttttactcg gatgtctgat tgagtgtgtg 240
 aatataatga gacgctcaaa attgaatggt gaacctctga gcaaatgcaa acgacaataa 300
 tttttttctc ggatgtcttt ttgagtcctg taatataacg agacgctcaa aattgaaatgt 360
 tgaacctctg agcaccattca aacggcgcata acctttttct cgaatggttg atcgagtcctc 420
 gtactatctc gac 480

<210> 15381
 <211> 123
 <212> DNA
 <213> Glycine max

<400> 15381

gctgaagttt cttttggtga aggaaccatg gaaaagcaga gcgtttggaa tggtttaacc 60
 aatttctgag aactgttggg ggatgctgaa aacgagatta tcacgaatat ataagtttga 120
 atg 123

<210> 15382
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15382

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 aatgccctga agtagcactt cagaaaattt aagtactcag cagtgtgagc tatctcaaga 120
 ctatccctaa cctccatcac catctgcagt cttgccggaa tcgctgtttt caaccagaaa 180
 cacaaaaaca aaaacaaaaa aattaagcaa aaacaaaaca ctaaattgtca aaacaacgaa 240
 tactgaaagc acttaaatgc caatacatca caggcatagt tgaatccatt ntcctacgac 300
 aaaagaacat ganaataagc actaaatgta naaacaacaa aaactggaag tgcttaaatg 360
 tcaatacaac agaggcatan gtgaatccat 390

<210> 15383
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15383

tgccattcac tngnactttt atattattct attctattaa gttttnttta gaagattggt 60
ttattaaggt taatttagtg gtaaatgaat aattttatga attacaagtt taaattttctg 120
ccataatata caaaaaagta tatatatttt attagagatt ntatgtcgaa ctgtaatata 180
catgaatga agtatataaa cggacataaa cttttataat cagaggtaal tttttagat 240
aagctagaat caatccgaaa ttgttggatt gtataacaat ttatcatagt aattattggt 300
tggctaataa ggctcttccc cttattggat tattattaga tcactctcga ttgtgtaatc 360
ttataatttc acgctctaaa tatntttttt ccacgtgaaa atagtgtatg agagagctca 420
cattaattag taatgtgatt agagtanaac atatatgtag aggat 465

<210> 15384
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15384

agcttgatag gttcaagtgc aggtgctgct actggtggag gcacttcaat ttgcttgaaa 60
agggttntga atttgaattt tgaacatgta atcgattacc atatgtctgt aatcgattac 120
cagcaacgaa actcctgata ttcaaattca aaagtcatga ccttcaaat tataactgtg 180
taatcgatta tacagacatt gtaatcgatt accagtgaag agatttcaga aaatctgtca 240
acagtcacat attttcattg gatttatgaa tggccatcaa aggcctataa ataggtgact 300
tngngctcga ttntatgaga gagtnttgct ggtccaaaat gtcttatcct ctcanaagaa 360
aatgagagag attccaagag aacttcattg ccaaagtctc tctcaagaag tct 413

<210> 15385
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15385

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tctcgtagat tgtgatcgaa ggaaatctac acaaatctgg cgtccaccta accgcttccc 120
 gttcatgact ttcacgccc gagcagcagc atccagattg agaaactcaa cacacgcagt 180
 gccgcggtct ataaagaact taaaatcctc aatcttaccg aatttgcgaa attccgcttc 240
 caaatcttcc cttgcaacag tgggactaaa accacccacc cacaattgtt tgcacggctt 300
 tgcctgaaac acacaaattca ttttaattat taattcatta ttctcaacag taagcctca 360
 tgtgaactan attatatata aaaaagcgtt ntcagtttgg acacacaaac cggctctgg 410

<210> 15386
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15386

agcttctata taaggtttgt tcctaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt tacctgtggt gaaaáacaag agcaagcctt ttctttgctc 120
 aaagaaaagc ttactaaggc acctgttcta gctcttctg acttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
 atttcttatt ntagtgaana acttcatagt gccgcctca actacccac ctatgataaa 300
 gagctttatg ccttaataag agccctccan acttgggaac attaccttgt ttccaaggaa 360
 tttgtcattc atagtgatca ttaatcactt aagtacatta gagggcaaaa caagttaaac 420
 aagaggcatg cataatgggt 440

<210> 15387
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15387

agcttagagt ttctggtagt tcattaaata cttgtttcat ttctccaag ctcatatttt 60
 ccaaaacgga gggcttaggg gcaaccctca caatttcact accttttgggt tcctgaactc 120
 gtgcgtcggc tttaatgact agttcggaat tagagtttgc accacatttt attataaatg 180
 gtgaggacga gcctgtatta aattggagta cattccactg tgcaacgtca gtttcagatc 240

cagagcccag atctgttgat ggcttgcgac catgaganat atcttgaatg gngtcatctt 300
 cttcaggaat tgactgtatg ataacaaaat aaaggatttg ggcatcaaag aaaatcaatc 360
 canattcatt ntcacagtg cagttcttta gcatatacct aagctatagt cacaaacagc 420
 aaagtaatca a 431

<210> 15388
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15388

agctntgagc ttattcatat gacaataact ntntactcgg atgtctgatt gtgtctcgta 60
 atatatcgag ttgctcgaaa tggaattccg aagctctgag canattcaaa cgacaataac 120
 tntttactcg gatgtctgat tgagtcccg aatataatcga ttgctcgaa atggaattcc 180
 gaagctctga gcaaattcaa acgacaataa ttttttactc ggatgtctga tttagtcctg 240
 taatatatcg agcttctcga aatggaattc cgaagctccg agcanattca nacgacaata 300
 attttttact cggatgtctg atttagtcct gtaatatatc gactgtctcg aaatggaatt 360
 ccgaagctct gagcaaattc aaacgacaat aactttttac tcggatgtct gatttagtcc 420
 tgtaatatat cgagattct 439

<210> 15389
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15389

agcttcttat tactcttggc cactaggtca caagatcaac taggctctaa taattcttct 60
 aacctagggc ggtgactcac tctttagacc gataattctt ttaatcatat tcttaaaaga 120
 gcaaacaaat ttctaattta taaaatatat cttaattct aaacaacatc ctanaagtaa 180
 gacaatatct ttttttaaat ctacataata ttctagagat ttaaaattat aaatttaaat 240
 tatttcctaa ccgttatgac aagattatag attggctatt tagccatgga ttgattgcca 300
 agacaatatt actattgaag gagaaatctt ttttacaaaa atactatgat tccacatctt 360

aatcataata atttaattta aatattcttt aattnttaat tcttgtttct cttctacacg 420
aataaatc 428

<210> 15390
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15390

agcttgctaa accatggaag ttcctaatat ctcccacatt ttttggggtg ggccattctt 60
ggatggcett gattntctta ggggccactt ggaccccatt tttaccaact acaaacccaa 120
agaaatacac aaaaggtaca cttctctata tttgcataga ggggtgtttt cctaaggact 180
gaatgaactt gcctgagatg tcctaagtga tcatctangc tcttgctgta cactaaaata 240
tcatcaaat aaaaaactac aaatctacct atgaaatccc ttaagacatg atgcataagc 300
ctcataaagg tgcttggtgc attagtgagc ccaaaaggca tctactagcca ttcatacaaa 360
ccanacttgg tcttgaaagc agttttccac tcatcacctt ttntcatcct gattnggtga 420
taaccacttt taagatcaat t 441

<210> 15391
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15391

agcttgttat gtccattcct aaggccacat acgttgttat atatttcttt catatataaa 60
tatattatat atatttaata atcatctaac aatcatttat atcactcatc ataaatcata 120
tttgatataa ttntaagaat aattatcata aaaattaata aatctatcat acatgatata 180
attaaataat aatatataat tatttttacac tatcaataca taatctatct tatcatatta 240
tattatgccc ccataatatc ttatactct tttccagcgg gcacacttaa ttctggtttt 300
caatagacat gaggatcagt ggacgtgagg aataagtgtc attcccttac tctcaggaaa 360
cagccatata tatcgcatg atccaaacta tcatatctat 400

<210> 15392

<211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15392

agcttcggta ttccatttcg agcgtctcga tatattacga gactcaattg gacatccgag 60
 taaaaatita ttgtcgttcg aatttgatca gagcttcaac attcaatttc gacatcttcg 120
 atatattacg ggactcaatc agacatccga gtaacaagtt attgtcgttn gaatttgctc 180
 agagcttcta cattcaattt cgagcgtttc gatatattac gggactcaat cggacatccg 240
 agtaaatagt tattgtcagt tgaatttgct c 271

<210> 15393
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15393

agcttgcctt tagttgtcca ggaaggacaa ggcagccgaa ggaactagtt ccgctccgga 60
 gtatgacagt caccgcttta ggagcgtgt acaccagcag cgcttcgagg ccatcaaggg 120
 atggtcgttt ctccgggagc gacgcgtcca gctcagggac gacgagtata ctgatttcca 180
 ggaggaaata gctctacgga gttttaaag attggctaag attttggtta aacataagca 240
 cttagacaat gaaggaaagc tggagttgct gcacatgatg tccaacgtta tgtcaaggaa 300
 taagatcggg ctgcacaatg cacaaggcaa gataaaatgt caaatgaaga attgaagttg 360
 caggatccac gatgtcggat acaatgtcct gacatcctgc ccganaatac tggagttgct 420
 gacaatgcat aagtcaagat a 441

<210> 15394
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15394

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 taattggggtt gcctcccagg aagcacttct ttaacgtcat tagcttggca cttttacctc 120

actgngtgat cttatgtttt ggttcgtact ttcagaacct cttgacctct taccattacc 180
 tgtaagcaaa cattgtgttt tggagcagggc ttatcttcaa aaaataaatc aaaatcaatt 240
 ttatgatctt caaaacctag ctccagcttc ctcttcccca tatcaactat gcagcttgcg 300
 gtcaacatga atggccttcc aaatattaca gggatgccag tatctntaga gatattccat 360
 accacaaagt ctgccgggaa gataaaatgt tncactctga ccaacacatc ttcatttacc 420
 ccatatg 427

<210> 15395
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15395

agcttgtgca ttattaatgt caatgataaa aaacagaata tgaatcatac caatttcaaa 60
 accttcatac tcaataattg aatcatctgg ccttttatta gccctgtctt caaaatccat 120
 tgtgtatgac ataccagagc accctccctg tttgacacct attcttaaac ataaatcttg 180
 atttcgttca gacctcatct tattcaagtg cttcagcgca ttatccgtaa gtgaaactgc 240
 agggggccaga gaaccagatg ctggtgcagc tganagatat tgaggtgggg gtgagtgaaa 300
 gcaaagatta aaaaagtgc gagtgtggca gaaaaagtat ttcacataac anacaagtat 360
 ataacanaat tcaaaatata ctgtntagct gttgcaatct ggттаатgat attaaaacag 420
 agtgaatgcc aataac 436

<210> 15396
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 15396

agcttattta taagagctta tatataaacc tacaacaaat agtttcatct aacacttctc 60
 tcaaaagtgc tctatttttt cattctgagg caatttttca cagaaagaag agcacattta 120
 attgtgagga gtcgatgctt cagatggact acttgaggag tcacctgagg atggattcaa 180
 tgggtgaacca gctgttagag aaccatttcc accctcactc tcagccacca ctggtatctt 240

gacagtggct gctctttcca tctctttctc gagttcttcc tctttacgca atgcagtaaa 300
 ctgggtatcc aaggatttcg ccgcagctag ccaggcagat acaatcagca gaagtattcc 360
 tcccaagtat ggggttgaat tagctagtga cccaaaagtc aagatcataa attgctggat 420
 aagggcacct 430

<210> 15397
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 15397

agcttctgtt ttcaatttcg agcgtctcga tattttacgg ggctctatcc gacatccgag 60
 ttaaaagtta ttgtcgtttg atttttctaa gagcttcctt tttcaattac gagcgtctcg 120
 atatattacg ggacacaatc ggacacccga gttaaaagtt actgtcgttt gaattttctc 180
 agagcttcta ttttcaatta cgagcgtctc gatatattac gggactcaat cggacatccg 240
 ggtaaaaagt tattgtcgtt tgaattttct cagagcttat gttttcaatt acgagcgtcc 300
 tgatatatta cgggactcaa tcggacatcc gagtcaaaag tttttgtcga ttgaatttgc 360
 tcagagcttc tggtttcaat tacgagcgtc ctcatgtatt acctggactt catcggacat 420
 ccg 423

<210> 15398
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 15398

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 agcgaaaaga atcaaaaagc gaagcagtgt atgtattgaa tcggatccgg gttacacca 120
 tgtcttcgat gatgcaccta tcgcgaaagc gaattatctg ctaatattaa taatttggag 180
 ctaaaagtcg acagtttgtg gaaaaacgca atagcaacaa acgccgaaga tgaatcaaac 240
 aagcccaaaa ccaaattctg agaaaaattc attcagaccc aagctaagaa cccaattctc 300
 aaaatattaa aatagactag aacccaactt gtaaaaaggg gtgttgcgag aatcgaactc 360
 gcgacctctc gcacccgaag cgagaatcat accactagac cagacaccct atacaaattc 420

<210> 15399
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15399

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agcttcaaga ttaattcaaa tgacaataac tttttcctta tatgttcgat tgagtctcgt 60
aacatatcga gacactcgaa attgactaca gaagctctga gcaaattcaa atgataataa 120
gtattgactt ggattttcga ttgaatcccg taatatatcg agatggtcga agttgaaaat 180
ggaagctcat aaaaaatgaa aacaataata attgttaact ctgatgtccg attgagtccc 240
gtaatatatc gagacgctgg taatggaaaa cagaagctca tagaaaatgc aaatcacaat 300
aacttttaac tcggatgacc gattaagtcc tgtgacatcc tggaaatttc taacccgga 360
ttttgtaaat ggtgcattnt gaatggctat atatataagt attattcagt ggatgtatat 420
aagtatatat 430
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<210> 15400
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15400

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agctttctca tgttttaagt tcttctcan aactgtccta agcaaagttc ccaatgtcct 60
attagcaact tccatttgcc catcggttta tgggtgacaa gtggttgaaa ataacaattt 120
agtgccaac ttgcccaca tagtctcca aaaatgactt aggaacttaa gtcctatca 180
ctaacaatgc tccttggaac accatggagt ctcaaatct ccttgaaaaa caaatcagcc 240
acatgggaag catcatcaac tntnttcat ggaataaaat aagccatttt agaaaaccta 300
tcatacgacc acaaatgga gtctctacca ctgcttgttt ttggcagccc tataacaaaa 360
tccatggata aatcaatcca nggatactcc ggaattggca atggagtata caatccatg 419
```

<210> 15401
 <211> 384
 <212> DNA

<213> Glycine max

<400> 15401

agcttctaga tgagttatgt ctgcgaatcg gacatcctgt gaaaagttat gaccatttga 60
atcttctcgag tgcttccggt gtttaatttc aagcgtctcg atattttatg tcctcaaata 120
agacatcgga gcgaaatggt atgacacatc gacttggccg agagcttccg ttattcaatt 180
tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gagtgaatg ttatgaacat 240
tcgaatgtgt cgagagcttc cgttggtcaa tttcgagcgt ctagatgagt tatgtcaccg 300
aatcggacat ccgtgtaaaa agttatgacc attcggcttt gtcgagagct tccgatgttc 360
aatttcagc gtctcgatat atta 384

<210> 15402

<211> 425

<212> DNA

<213> Glycine max .

<223> unsure at all n locations

<400> 15402

agcttatcat tatcaaactt ggagaaagag ttcttggggt caagacatga gaagcaatca 60
agtataatgt tacttcttct actaaagcgg tgatccatct ccacacatat tttatcaata 120
gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct 180
cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300
aaccgagctn tgacaacatc aactaattcc atgacattca caatattaag atcttttctt 360
tgcaatatat ttgaaagctc gtttgtgata ccaaacaact ntaacattaa cctcaaaata 420
aaagc 425

<210> 15403

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15403

agcttttaat ctttatacat tattcccgct ctgataccac ttgttggacc ttgtggcctc 60

aataatctta agagggatag gcttagaata cagaagaaac aacaacaatc aatttaacaa 120
 tgttctttan acatgcaaga cacaattgat tgcaacaaaa taaataagat aaggaagag 180
 agaatgcaaa cacagtnta tattggttcg gccacaacc gtgcctacgt ccagtactca 240
 agcaaccac ttgagagttc cactaacttg taaattcctt ttacaagttc taaacacaca 300
 aggacaacc ttcccttgag tttagagatt ctntacacca agagctcac agtctctca 360
 ccaatctcat tgaataaga gaatggaaga agaattctct ctccaagaga agaatattac 420
 aatgaagatc atgt 434

<210> 15404
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15404

ttatcttatg tttctaacat ctacaataga cctcctcaac ctcaagtagca aaatcagcca 60
 caacagaata attatgacct ttccagcaac aggtacaatc ccgagtggag gaatcatccc 120
 aaccttaaat ggttgaatcc ttaacaacag caacaacaac aaccttattt taaaaatgat 180
 gttggcctaa gcagaccata cgttcctcca ccaatctagc agcaacaaca acaacagctt 240
 cagaaacaac aaacagttga ggctccttcg caccttcctt tgaagaactt gngacgcaca 300
 tgaactatgca aaacatgcag tttcaacaag agaccagagc ctacattcag agctttacta 360
 atcagatggg acaattggct acac 384

<210> 15405
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15405

agctttgagt ttattcaaac gacaataact ttttactcgg atgtctaac gagtccagta 60
 atatatcgag acgctcgaaa ttgaatgttg aaactctgag ctgattcaaa cgacaataac 120
 tttntactcg gatgtccgat tcagtgcgt aatatatoga gacgctcgaa attgaatgtt 180
 gaacctctga gccaatcaaa acgacaataa ctttttactc ggatgtctga ttgagtcagg 240

aaatatatcg agacggtcga aattgaatgt tgaacctctg aggcaattca aacgacaata 300
 actntttact cggatgtctg aatgagtcct gtaatatatc gagacgctcg aaattgaatg 360
 ttgaagctat gagccaattc aaacgacaat aactntntac tcggatgtct gaggtagtac 420
 cgtattatat tg 432

<210> 15406.
 <211> 337
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15406

agcttctcga tatattatgc tcttgaatca gacttccggt tcanaagtta tgaccatattg 60
 aatttctcca ctgtattccg tgtcacaagt gatgaccatt tgaatttctc gatagcattc 120
 gttgttcaat ttcgagcgtc tcgatataat atgcgcctga atcggacttc* cgtgtgacaa 180
 gttatgacca tttgaatttg tcgagagcat ccgttggttag aattcgagcg tctcnatata 240
 ttatgcgcct gaatcagaca tccgtgtgac aagttatggc catatgaatn tctcgagagc 300
 atatcgttgt caatttcaag cgtctctata tagtctg 337

<210> 15407
 <211> 485
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15407

gctaataaat ctatatatgg ttaaacacag cccttgtcag tggttccttt tttttcatgg 60
 gnataattct ttatgtgggt gtaatgataa ccccatggat caatgcatat accacaaggt 120
 cagtaggagt aaaatatggt gtcttggttt atatgtagat gatattttac ttgtagtcaa 180
 tgatcggggg ttgctacatg aggtgaaaca atttctctct aagaattttg acatgaagga 240
 tatangtgat gcatcttatg tcatcgacat taagattcat agagatagat ctcgaggtat 300
 tttgggtcta tcacaagaca cctatattaa caaaattcta gagagatatt atatgaaaga 360
 ttgttcacca agtgttgcta tcattgtgaa gggatgatagg tttagtttga actaatgatt 420
 aaagaatgac tctgagaggg acgagatgaa acatattcat tatgcttcaa ttgtcgacag 480

cctca

485

<210> 15408
<211> 484
<212> DNA
<213> Glycine max

<400> 15408

cgcttctaca atctnccctt tntggatgat gacaaccctg atatcaagat acacatacac 60
attnnttcc tagtcgatca ctcaacttaat tctccatatt ctcccccttt gtttttgagt 120
ttaagcttca cttgaaatta agttatttaa ttatgtgagt tcttgattta attcctattn 180
tctttcccc tttggcagca acaaaaagcc aaagtctgta acaattataa aacatacata 240
aatgactaat catacacaag acattttattg aataatctaa accaatcatg aagcaaaaac 300
atgaataacc catattaata tataaaccac atagtcatat aacataattc ataaaaactt 360
agtcatacta agcaaatagt ataagaagta ctagatgttc anatttcata ataatatagg 420
ccaatacatg actagaaatc tacagtctaa taatattaca cataatagac atctatgatg 480
atgg 484

<210> 15409
<211> 332
<212> DNA
<213> Glycine max

<400> 15409

agcttctaga tgagttatgt ctgctaacgc gacatcctcg tgaaagttat gaccatttga 60
atctctcgag tgcttccgtt gtttaatttc aagcgtctcg atattttatg tcctcaaadc 120
agacatcgga gcgaaatgtt atgaccattc gaatttgctg agagcttccg tttttcaatt 180
tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gagtgaaatg gtatgaccat 240
tcgaatttgc cgagagctat cgttggtcaa tgcgagcgt ctagatgagt taggtcatcg 300
aatcggacat ccgtgtagaa aagttatgac ca 332

<210> 15410
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15410

caaagcttgc attggttaatt tttttctcat ccatcaagat ttagtacttc gagttatcca 60
ccatatagcc aagccaacgt tgagactatg ttatttgtca agttccagat accagtgagg 120
tttarattgc caagtcacgc ctccacaatc tccaaaaggg ggagcagacc aucttactc 180
atgcatagag tccaatcaga ttaatatgct gaagttggag acacaalitg aacaatcatg 240
gctaggctag cactacccaaa accagngcac ttttgaatga ctaaagattg aaagactcgc 300
aagaaaagta taacacttca tatcatatct ttgactccat gtacttaca gggaaaagat 360
ttcacttcat ttgatgtt 378

<210> 15411
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15411

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aaatggagtg tgggacttag tttctaaacc acctctataa gtcaattaaa caaaggggtg 120
ttgaaacaac ttgataattc acccatgtac ggatacgaaa tattgttgaa gatgattcaa 180
ccgagaataa ggaatcaact atgatgaaac atgcgctcca agtgcaaggt tagatgctat 240
aagaatgcta cttgcatttg catgtattat ggatttcaaa ctttttcaga tggatgtaaa 300
aagtgccttc ctcaatggac gcgttgaaga agatatgtat gtagatcaac cactanggtt 360
tttggactat gaacatccta accatgtcta c 391

<210> 15412
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15412

agcttgncat atcttgnntt atcctactaa tcattgggta gaaaaagggtg caacagttac 60
taaggaggat aagttacaaa gtgaactgat cagtcgtgat gtcattgtg gaaccattga 120

tcctaagtat gatgtaaagg atggattaat atttagaana cagtaaattg atgattcctg 180
 aaaattcagc tctgagaaac aagaatttac aagaatttca tgacactata atagggggcc 240
 atgcttgaag aacaaaaacc atggctagaa tttgtagtca attttattgg cctaaactgc 300
 aagaagatat taagtcctat atcaaagtgt gcagtatcta tcaacacgct aaggtggatc 360
 aagcagtacc tgcattgattg ctgcagcatt acccattcca caacatatct gggaggacc 420
 tgcctatggcc ttcattcacta ntctaccat 449

<210> 15413
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15413

tactcagctt anacttgcac anaggagttg agcaggtaac anagaatcgt cttcattctc 60
 ttagagggtga cnttgagcgt tcgtttatgg aggagtccga gtcaatttct gattattggt 120
 ctcgagtatt ggccgtagtc aatcaactta aaagaaatgg tgaagatggt gatgagggtga 180
 aagtcattgga aaaaatactt cgaactttaa atccaagttt tgacttcatt gttaccaaca 240
 ttgaagaaaa caaggattta aagaccatga ctattgagca actaatgggt tccttacaag 300
 catacgaaga ataacaaacg agacaaatta aacaatagga ggctacggag caactactac 360
 aactcaacgt ataggaagca aactatgcaa attacaagag ccaaacagga cgatgtcgct 420
 gccaatatcg tggacgtgga cgaggacatg gatgagaatg aagatgtggt tacaacaacc 480
 actc 484

<210> 15414
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 15414

agcttccatt gctcattttc tagcatctcg atatattatg cgctttaata ggacctcaa 60
 gtgaaaattt atgaccattt gaattgctca agagcttcca ttgttcaatt tgcagcgtct 120
 cgatatatta tgcacctgaa tcgtacctcc gagttaaagg ttaagaccat ctgaatatct 180
 taagagcttc cattgttcaa tttcgagcgt cttgatatat aatcgccctc aatcagacct 240

ccgagttaaa agttatgacc atttgaattt ctagagagct tctgtgtgtc aatttcgagc 300
gtctcgatat attatgtgcc tgaatcggac atccgagtga atagttatga ccatttgaat 360
tgctcaagag cttccgttgt tcaatttcag cgtctcgata tattatgcgc ctcaatc 417

<210> 15415
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15415

agcttcaaca ttatactcac ttccagggtg ctggaactac ttcacatgga cttgatgggg 60
cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgggtgttgt ggatgatttc 120
tccagatcta cctgngtcaa ctttatcaga gaaaaatcag acacctttga agtattcaag 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat cangagtgcac 240
catggcagag agtttgaaaa cagcagggtct actgaattct gcacatctga aggcatcact 300
catgagttct ctgcaaccat tacaccacaa cagaatggca tagttgagag gaaaaacagg 360
actttgcaag aggctgctac ggtcatgctt catgccaaag aacttnccta taatctntgc 420
gctgaagcca tgaacacagc atgctacaat cacaacagag tcacact 467

<210> 15416
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15416

ntaacanagt atccagtntg agtggtttgg tcataatatc aaccacttgt tcttgtgtcc 60
cacaatgcat catcttgata gctccagtct ttgtaagatc tcgaacgaaa tgaaatcgga 120
catcaatatg tttataacga ccatgcttta ctggattctt cgaaagctta atagcagagc 180
tactatcaca acaaattaca gtagcctggg tctgcatttt acacaatttt cccaacaccc 240
ttttcaacca tatggcttga caagcacacg atgctgcacc tatgaactct gcctctgtag 300
ttgatagact cacaattggg tgtttctttg atgaccaaga gacagcagct gaacacaata 360
agagaacata acccgaagta ctttgtctat catccaaatc tcttgcataa tcac 414

<210> 15417
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15417

ccacatctatct ntccacacac acacattccc tcaattattt cctgcatgt tgggacatca 60
 ggaagacagc cactgctaata catatgccct ataagtttaa aacactcctc cattctatca 120
 tgttgggcaa gagccacaat tataattgca taagtcttgg cagtgggaga agatatagat 180
 gaaccttttg ttctcatgaa ctcaaaaaga tctacagcct ctggtaccat acctgctttg 240
 cagtatgtat caatggcagt gttgtacgca taattgtcat gcctatgacc cagttcaacc 300
 atttcttcca gtaatgtcat cctctagtc nggtgtctaa cctacacca ccataaacg 360
 aatatattat acgtctccgc attaggcttg actggtttac tcattatctt atacagaagt 420
 tcagcatcct caaccaagca acattgcac agt 453

<210> 15418
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15418

agctntgaat gctctattct atggagttga caagaatata ttagactga tcaacatatg 60
 cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggccac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgatatt gccaatgctt gcaactgcctt 240
 gggagaaaga atgacagatg anaagctggg gagaaagatc ctcagatctt tgcctaagag 300
 acttgacatg atagtcacta caatagatga ggccaagac atttgcaaca tgagagtaga 360
 atgaactcat tggtccttc aaacctttga gctangactc tcggatagga ct 412

<210> 15419
 <211> 481
 <212> DNA
 <213> Glycine max

[illegible]

<210>	15420
<211>	462
<212>	DNA
<213>	Glycine max

agcttctaaa	ctttgtacaa	gaatgaagct	ctgataccac	ttgttagaca	ngtgggcctca	60
gatatcttaa	gaaggggggg	gttgaattaa	gatattcgaa	actttttccc	ctaattaaaa	120
atctatctta	ctttntactt	aagttatgaa	ttcccttaat	gacaatcttc	ttaaataatta	180
attcaaatga	agcaacttga	atatgaatat	aaagcaataa	taaataaagg	agattaaggg	240
aagagaaaat	gcaaactcag	ttttatactg	gttgggccac	acccttgtgc	ctacgtccag	300
tccccaagca	accgcgttga	gagttccact	aacttgtnaa	ttccttttac	aagttctaaa	360
cacacaagga	ctaccctatc	tttgtgttta	gagattcttt	acaacaagag	actcacagtc	420
tcttaatccc	ttanagaatg	agaagaagaa	gaggaacaaa	tc		462

<223> unsure at all n locations

<400> 15421

gagatgaann aaattatact agatcaaag anattgatta tttttataa taaacatcaa 60
cacatatatc tcaagaaaga tatattatat aacatcttat cagacacaat ctctataact 120
tggaagagaa ttccataaac ccatagaacc atcacatata gacctctaan aaaaacaaaa 180
atcaagactc aaaaacttcc agatagatgt anaacttaatt ttatatttca tatgacacac 240
tgatcacatgt aaattadaat gtcattatat attaataatc aagacagtaa tttaattaca 300
ataattagta cattntatgg aaataaatat tcaaaatgaa nacaatatat ntacaagtgt 360
tcaaactgat tggaatattt tttcttttct accgcctaata chtaattcgg aatatttaat 420
tgatttgaat atttata 437

<210> 15422

<211> 398

<212> DNA

<213> Glycine max

<400> 15422

agcttataat atattttatac gctcgaaatt aaacatcgga aactctcgga aaattcaaatt 60
agtcataact attcacacgg atgtccgatt caggcttata atatatcgat acgctcgaaa 120
ttaaacatcg gaaactctcg cgaaattcaa atggtcataa cttttcacac ggatatccga 180
ttcgggcaca taatatgtcg agaagctcga tattgaacaa cgaaagttct ttagaaattc 240
aaatgggtctt aacttttcac acggatgtcc gattcaggag aatcacatat cgagacgctc 300
aaattgagca acagaagctc ttgagaaatt caaatgggtca taacttttca cacggatggt 360
agattaagga gcatcacata ttgatacgct cgaaaatg 398

<210> 15423

<211> 347

<212> DNA

<213> Glycine max

<400> 15423

ttcgtcttct tgttttagtcc agtcttcttc ttgcttttct tcatcagtgg gctttccttc 60
tgtgtgcagc atcttgggat gtaccagcc tttgatgaca gctttccagg ttctgctatc 120
cagggatttg aggaacggca ccattcttgc tttccagtat tcatagttgg ttccatccaa 180

aattggaggt ctgttcaactg gtctctcttc tttctccatc gtcatcagaa tgcattctccc 240
tagatctcac tctgtgattt cgagtgttgg ctctgatacc aattgaaatt ctgataccag 300
gggacagatg tcgtaccgga tgtcacgaca tcacgcttca gaacatg 347

<210> 15424
<211> 481
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15424

agctntgagc aaatcgaaat gacaataact ttatacacgg atgtccggtt gagtccccgta 60
agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120
tttatacacg gatgtccggt tgagtcttgt aatatatcga gacgctgcaa aatgaaaacg 180
gaagctcgta ggaaattcaa acgacaataa ctttttactt ggatgtccga ctgaatcggg 240
taatatatcg agacgtcaa aattgagact agaagctctg agcaaattga aatgacaata 300
actntataca cggatgtccg gatgagtcct gtaatatatc gagacgtca aatntagat 360
ccgacgtctt gagagaattg aatcgcaata actntataca c 401

<210> 15425
<211> 482
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15425

tttcgaccat ctcgatatat taccagactc atccggactt ccgtatataa acttattgtc 60
aattaaattg tctcagagct ttggatcaaa attntgagcg tctcgatata ttacgggatt 120
cattcagaca tccgagtaaa aaattattgt cgttagaatt tgatacgagc ttccgttttc 180
aatttgagc atctctcgct aaattgcgat aggctatcgg gcatccgaga naaaagttat 240
tgtcgtttca tatttctaag agtttccggt ttcaatttgg agtgtctcaa tatattacgg 300
gactcaaccg gacatccgtg tataaagtta ttgtcatttc aatttgctca gagcttctag 360
tctcaattnt gagcgtctca atatattatc ccgattcaat cggacatgcg agtaanaagt 420
tattgtcggt tgaatttctt acgagcttcc gttntcaatt tggagcgtct cgatatatta 480

<210> 15426
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15426

agcttggaag gtattcatat cacacaaaat atatatatgt atgttttaggt agaaagatac 60
 cttagatatg catgtatgta aacaaaaaca cacttcacaa aatatatata tatgtatggt 120
 taggtagcaa gataccttag atatgcatgt atgtagcaaa aagatacctc acaaaatata 180
 tatatatatg tatggtagca agataccttg gatatgcatg tatgtagcaa aaagatacct 240
 cacaaaatat atatatgtat gtttaggtag caagatacct tggatatgca tgtatatagc 300
 aaaaatacct cacaaaaata tacacatggt taggtagcan aatacctcat gaaaaaaaaa 360
 aaaaaccaac aagattaaga aataaacaaa tgataatgat aaaa 404

<210> 15427
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15427

agcttggaat atattatntg aattctagtc ccccttatag actctgtgaa gatgtttgct 60
 agttgggtcat tagaactatc aaattntgta atgagttctt tggaaaaaac cttttcctga 120
 atgaaatgac aagtaaattt aatatgcata gttcatccat gaaacatcat attggtggct 180
 atatgaagag ctttgcttga ttgtcacaac ataatttcac ctattggatg tctctaaact 240
 tcaattcttg aaggagatat ttaatccaaa cgtgtgcaca agtagctgta cacatattct 300
 tatactctac ttctgcacgg tgcagtaaca ttttgctttt tactcttnca agagacaata 360
 ttccctccaa taggtacaca atacccana atacagcatt tgtcaatagg cgagcttgcc 420
 caacctatat cacaatatcc 440

<210> 15428
 <211> 325
 <212> DNA

<213> Glycine max

<400> 15428

taagacagcc agtaaccaat agaaaagatc aagcctgtcc tggtaaatgt cgttggtgtg 60
aagccagcca gcagctgaag aagaagaagt tgaagtgatc ttattgacca aagaaaccaa 120
aagtgtgctc aagtataaac caatgagta agagcaatat gtgatggctg taagaatgc 180
ttgcatccct tccaggact gttataaaa gaactcaagg aggccaatgg ctgtgaacat 240
ctctgacaag ccaaatatca agtattgtgg gggtatccaa aagatggaca aaactttgtg 300
atggttcaca gctgcgtccc ttctc 325

<210> 15429

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15429

tctatagaag gttcgttcct aatttctcta caatggcatc acctctcatt gagctagtga 60
agaagaatgt ggcatttacc tgcggtgaaa aacaagagca agcatctgct ttgctcanag 120
aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaaggtggg caccctattg 240
cttatttttag tgaacaactt catggtgcca cccttaacta cccacctat gataaagagc 300
tctatgcctt aataagagca ctccgaactc gcgaacatta ccttgtttcc aaggaattag 360
ccattcatag t 371

<210> 15430

<211> 437

<212> DNA

<213> Glycine max

<400> 15430

agcttaagaa ttattttcta tcaactactt gtttcogagg gaaattctat aaataaacct 60
cccatcttta atggagtggg taccactact ggaaaaccog catgcaaact tttatagagg 120
caatagattt aaatatttgg gaagccatag aacaaggacc ttatgttccc tctataatgg 180
ccggaagtgc aacaatatga aaacctatag cagattggac tgaggaagaa agaagattag 240

tacaatataa ttacagggcc aataatatta ttacatctgc cctatgaata gatgaatact 300
 ttaggggtttc taattgtaaa agtgctaaag atatgtggga tacactacaa gtaacacatg 360
 aatgcacaac agatgttaac agatctatga taaacactct aactcgcgaa tatgaactct 420
 ttacgatgaa a⁺aaatg 437

<210> 15431
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15431

ngctctataa attctttctc acttgatata ctccatggat gaacagcagg gacttttggc 60
 gaataaagag tgggtggaatt tgcaggagga ttatgcttgt agatcattgt atcaagaacg 120
 ggggtcaaaat tctgaggaga atctatggag acacagaaca taggaattgc aaccttctga 180
 tggatttcta cgtcgcccac aagggttaaca agctcaacaa aatcactgat aaggcgctga 240
 ggaacataga acacctcaga actgcatatt atgaggggtt ttcggtgtc gcttgtttct 300
 ttgtaactga ctcgaaagtg cgctggcatc gtgctaacaa ccttctgtac cattcttgct 360
 tgttggtgaaa cccatctgag tcctcaccat ttgtaatata gaagaccgag actcngatac 420
 ctgaatccca gtaa 434

<210> 15432
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15432

agctgtgtaa tgaagtatac aggctatggt tatttagtgg cattgtttat aactcgtcca 60
 agagttcttc ctctttaatt acctgttata tattcttttg attctatatt ttcaagcatg 120
 gaattaaatt gtatatacag gatcaatttg acactatgog taaaacttta acacttgcac 180
 cacttaataa ttacacgaa attaactaat tccaccattg attagttta aacaattcca 240
 tacaaaacaa aaactaattg⁺atacttaatc aatatgctnt attttgatag ataatatatt 300
 atgtctttta tgtgaaataa gtaaaatatt tagttagatg aaatttcagg aatatgttta 360

atttatgtga tatttgatat acatgataga gaaagtaaatt attatattaa ttcgcttaatt 420
ctt 423

<210> 15433
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15433

gatattcaag atggatgatc aagatagtct gtatagtctt agaaagggtta tattaataag 60
gaagggaatt ccaattgaag tagcaaaagg tttggccaag aaaattaagt taaaaagtct 120
tttacaagaa atttactctc tggtaatcga ttaccagagg atgtaatcga ttaccagtgg 180
ccaaaactga tttacaacag ctattaaaat ttgaattcaa aatttgccct gtgtaatcga 240
ttacacatat atggtaatcg attaccagca gtttctgaac cgtttaattc aaattntaca 300
gcttgtaatc gattacacat atactgtaat cgattaccag atcagattnt cagaaaatat 360
tctcaatagt cacatctttg tatgtggttc ttgaatggct atcanaggcc tatatatatg 420
tgacttgaga ca 432

<210> 15434
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15434

agcttgcttc tacaatctcc ccattntgat gatgtcaact tctgaaatca agaaacacac 60
acacacacac acacacacac acactttttc ctagtcgatc acacacttct acaatctccc 120
cattntgatg atgtcaagaa acgcattcat acaacattca tggaaaaata taaaccaaatt 180
catgaagcaa gaaccatgaa tataaaaacc acatagtcaa ataacataat taatatttgt 240
tcaaacatat catgcaaata aagaaatagt aaattgttca aatgtcataa taatatagat 300
tatntggata agtcactaac atctatcagt cctaattctc ttctaattgg gtaaaaggta 360
tctttactta gtgggtntttt aaaatgtctg caagttgaat tttagtatct acaaattcta 420
aaacaacatc accttntaga acatgatgtc taat 454

<210> 15435
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15435

agctntttaac tgtatctgca gcgtccaat tgtnttttaa atggtgtaac cgattacaat 60
 atattggtaa tcgattacta gagtatctaa atgttgaaat tcaaattcaa ttgtgaagag 120
 tcacatcttt tcataaaatg ctttgtgtaa tcgattacat ggttttggtta atcgattacc 180
 agtgacaagt tttgaataaa aatcaaaaga tgtaactctt ccaatggttt tctcaagatt 240
 ttctcaagggt tataactctt ccaatgtttt cttgaccaga catgaagagt ctataaaagc 300
 aagaccttga cttgcattnt aagtacttga tataactttt catatatact tttaaacct 360
 ttgaatctct ntgaaccatc atttgaactt cttcttcttc ttcttcttt gtcanaagct 420
 ntctgagttt tctgatttcc aaaccttggt atttcac 457

<210> 15436
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15436

acgctttaag tggaagaata ttctccgtat tcctacgtga tattggcttc atcgtgagat 60
 gtttcaataa actcatagtt ttgtctgcta ctcttctcaa tcaaataaaa tagttaagtt 120
 tgttcgctta aaaaaaactc atacttttgt ctattatta attttcgtat tagaagttga 180
 tataaaagta tgttggaataa taaaataaaa tatttaaatt tgcaatgata gatagttttt 240
 aacgatcaaa ttataattat atttaattaa ttatttggtc ttataattc tataatttat 300
 acattctagt ttctatagtt cgaaattaat ctttctaagt ttataattt atatcttaat 360
 tctctgggta gttttatagt ctaaaattga tttatctagt tcttggaatt catattctaa 420
 ttctntttta gctcttatga 440

<210> 15437
 <211> 463

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15437

agcttgctta tgtctttacc tattcctaag catgtatggc aacacatcac catggacttc 60
attgaaggtc ttccctttctc ttttggtaaa caagtcattt atatagtagt agataggctt 120
agtaaggcaa ctcatttcac ggccttatca catccttata ctgttgcgga tctggcccaa 180
tgcttccttg ataatgtctt taaattgcat gggtttcctg acaccattac cagtgatagg 240
gatcctgttt ttgttagtca cttttggaag gaatntatgt cctttcaagg gattcaggta 300
tagctttcta tagcttatca cccacaaact gatgggtcaat cagaagtggg gaatagggtc 360
cttgaaacat atctcagggt catgtgtagt gactcttcaa cacagtgggc ccaaattgtg 420
cctcttgagg aatgggtggac aattccactt accacacatt att. 463

<210> 15438
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15438

ntccctctnt gaacanatac cctcagcca aatagcattc atcttgtgcc tttntccac 60
aactctcgta aatgggagaa aaatgttcat ctaaagcata caagtcacct atattatcaa 120
ttcctaaaat ttaagctcct agggagcaaa acaatgtgtg tctcctagag agggcatcag 180
ctaccacatt tgtttttccc tttntgtatt tgataacata tggaaatttc tctaggtact 240
ctaccatttn tgcattgctc ttgtttaact tgctttgccc tctaatgtac ttaagtatt 300
gatgatcact atgaatgaca aattccttgg aaacaaggta atattcccaa gtttggaggg 360
ctcttattaa ggcataaagc tctttatcat 390

<210> 15439
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15439

agctntgcag cccaatcctt tctttaagta ggtacggtgt tttctagtat cctcttgatc 60
 tccctagtct aaactccaac ttttccattt gtttacggat gataaggatga tgctactttg 120
 tgtcaaacat catagtgttg aaagaccttt gagaattgag caatacaaaa gtgtgtacct 180
 tcatcactaa tcaagagtct aggcaatcaa aacctaacaa aaatgtttct ctttaagata 240
 ttaatcatca tctttacatc attggttgga ctagaaattt cttccacca ctttaagaca 300
 tagtccacta ctaccaagat atatctgttg ccacgtgagg atggtaaggg gaccacaaaa 360
 tcaattccct aacaatcaaa cacttctacc tctgcatgt tctgtaatgg catttcatgt 420
 cgtctagata tgttgccgat tcgttgacca atattgcatg atc 463

<210> 15440
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15440

tcctctgagg caactccggt ataaactgga taaacctnt cttcaacaca cctaattgaa 60
 ccgtgcacaa tgccatatca cctcaaaca cctgactccc tgcagtcacc tgcaatccat 120
 cgccactata cctaatacata tgcacagtct tctcatataa aatcggcaca ttctctgaca 180
 aagcctgaac cagcttccca tttccccag gcaaaaagca atggctctccc cccatatcat 240
 atggatcatc ctgggtccaa aacgcaagcg aaagatttga caacaacccc gcattcgcat 300
 actccaaatt tgcgagatgc caattaaaca aattcatttc ctcatcactc actgcgtcct 360
 tataaacctg actgaatgtc tncagcgcag ccncgagcga cacantccac cgaaacctcc 420
 ncatcagctg cctcagccta ctgccttat caagcaaccg attaaacgca gactccacct 480
 tcacatccat a 491

<210> 15441
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 15441

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatttgctca gggcttcggg attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttggtt gaatttgctc 180
 agagcttcgg tattccattt cgagcatctc gatataattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtagtt tcaatttgct cagggttcg gtattccatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattgc 360
 tcagagcttc tacattcaat tcgagcgtt tcgatatatt accggactca atcagacatt 420
 cgagta 426

<210> 15442
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15442

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 atcgagacgc tcgaaatgga ataccgaagc tctgagcaaa ttcaaacgac aataactntn 120
 tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aataccgaag 180
 ctctgagcaa attcaaacga caataaactt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagac gctcgaaatt gaataccgaa gcgctgagca aattcaaacg acaataactt 300
 ttactcggga tgtctgattg agtcccgtaa tatatcgaaa cgctcgaaat tgaatgttga 360
 agctctgagc aaattcaaac gacaataact ntntactcgg atgtctgatt ggtcccgta 420
 atatatcgag atgctcgaaa tggaataccg aagctctgag caaattcaaa cgacaataac 480

<210> 15443
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15443

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 ttactggttt agtccatcc tctaaattta ttgatgcat acatttgat gggctaattgc 120
 caggaatgtc caccaggtc cagcctatag cttcttatg attcttgaga atagacaaca 180
 acttctctc ttgctcatca gcaagggagg caaatataat cactggaaaa gttctgctat 240

catccacata agcgtatddd aaatntgatg gcagaggctt caattctggt gtggcccgct 300
 ggatagtggg agaaagagat 320

<210> 15444
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15444

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 aaatgttaaa caactaagaa gcaaattaaa gcagacctca ctttttcaaa aaaaagattc 120
 gaaagaattg aaagttttga agaggcaata tgcggcacta ccaaaacaag aaaaatgtag 180
 cttttaccag cagtaattct tattagctnt tgtttatttg atttgggtaa tatagatagc 240
 taccaagata agcagaattt tattacaaaa gatttatcta ttgaagttct atttattttt 300
 ctttacataa ttatgcatca tctttcttgt ttttcgtact ttagaatttc ataccgtata 360
 gcagtatddd tatgagaaaa catattaaca tctgaattgt taaacattaa aaacatgtac 420
 acatgtatga actntntgcg tgaaagtatt ttgatatttg aattgctaag atatata 477

<210> 15445
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 15445

agcttttagcc ttaggttggt tcatgttgct gctcccctta tctttaacag taacaagcac 60
 atttccattc acaggttttag cgacatcaac atcatcactt gagccctcac tttcaatggt 120
 tccattatcc agtaatatca tgcctctttt atttggacat tgagaagcaa tatgaccaac 180
 tccttgatac ctgaaacatt tgatatcatg ggatctagaa gatgaattaa tttccatttt 240
 accttttaggt gcagcacatg aattttttgga cttagcttca tcttttgact ttgtcataga 300
 atttctgttt tgccaatttg acttccatga ataagtggaa tcaaatttgg aagtactctt 360
 agctatcaat tgcctctcca cttgaataga tttatgcagc aagtcctcta tctccacata 420
 atga 424

<210> 15446
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15446

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ccacctgcaa ctccaacccg cttaacccc taacacacag ttatcttacc gttaaccc 60
aatgtttgtc cgaccataa aatatgaatt atgtacaaca aaaatgttaa gaatctttta 120
tagtggtcac cattgaaaat gctcttaaaa gtgaacatat ttagcatata taattatgtt 180
acaaaaatat aaatttttta caaattaaag gtttactcat aattctttaa gacaattgtg 240
ggaaggggtt tgtcatgctt ttctcccttg caaatccaat acatataaga tctctttcga 300
tataaagtag aagtgttttt gagagttttt ttaataaaat aatttatatt tataatagag 360
aaactttcaa aagcatgtat gaattgtatc caaacaatt cctaattgggt tctagagtgc 420
acaaggttgt aatgtcaagc acggtacaca agttttctta 460
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<210> 15447
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15447

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togattacac aagtcttgta atcgattacc agaggagatt ntcagaaaat aatttccaag 60
agtcacatct attcaaagtg tttatgaatg gccatcaaag gtgacttgga aacacgaatt 120
taaagagagt ttccattgcc caaaaagttt tatcctctca aaagattaag agtttttctg 180
aactgaaatg tcttatctc tcaaaaagat tccttggtca accacttgca tattcaataa 240
ggaattttga ttgatcttca ttgtacaatc tatctttttt aagagagatt tcttcttctc 300
ttcttcttac ttctgaaaag ggattaagag actgagagtc tcttattgta gaggattctt 360
gaacacaagg gaagggttgt ccctgtcgtg gtcagacttt gtaaaagntg ttttacaag 420
agagtgganc atctcaagtg ggtttcttga ggactggacg t 461
```

<210> 15448
 <211> 401
 <212> DNA

<213> Glycine max

<400> 15448

agctatgtgt tcgatggttc tataacatct atccccaca tggaaaaagg ccaaggtgca 60
gacataacat tcagaggatg tggcggaaca ttgacattgt ccgcgtatgc ttgacattta 120
tgacatttgc ttacatgggc acaacaatcg ctttccatag tgagccagta ataaccggct 180
ctaaggatct tcttgyccat agcatgccca ttggcctgtg taacaaatga acccccytyg 240
attacctcaa tcatgtagtt cacctttttg gcatctacgc attgtacgac ggtcatgtcg 300
gggttccggt tgtaaacgat ggtaccactc acatagaccg cctgggttctt acgtaataac 360
ttgaaaatgg gctcacatgt aggggtgagt agtgagataa a 401

<210> 15449

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15449

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ggctttctccc tcacaatagg caagaaagca ccctggactt gtgttgcatt tgcaagctcc 120
tcgggagtag aatcaccagc ctacaataaa acaacagttt cacatgacac acaaacatct 180
ttcatttoga ctttcatcag aaatgaaaat gcctaccaca atcaaaatag ataatggaac 240
atctgaatta ccttaacctt gtgtgcccgt cttgggaaca caaccaattt ggccttgtat 300
gttttcagcc tctgcacatt agctggcaga ctntccaaag aacgggttctt gcgacgatga 360
tcaacagcaa tacctat 377

<210> 15450

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15450

tctaaactnt atacaagaat gaagctctga taccacttgt tatacaagtg gtctcagata 60
tcttaagaag ggggggttgaa ttaagatatt acaaactatt tcccgaatta aaattctatt 120

tcacttttcta ttcaagttac aaattccctt aacaatgaac ttcttaaata ttgattcaaa 180
tagatcaatc tgaatataaa tataaaacaa taataaataa aagagtttaa gggaagagaa 240
agtgc aaaact cggatttata ctggttcggc cacacccttg tgccctacgtc cagtccccaa 300
gcaaccgcct tgagagttcc actatcttgt aaaatccttt tacaagttct gaacacacaa 360
gaacaatcct tcctttgtgt tcagaattct tttaacacaa gagacccctg gttccctaat 420
cccttagag 429

<210> 15451
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15451

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taccaaaagc aaacaaaagt aataatttga tataatgaaa tagtacattg cctaattgat 120
tctcgaccat ctgagaggat tgttccacag actgcaagaa cctcaaaaact cgcttccaat 180
ttctccaca tctatcatc agtccctct gagaattcaa acccatcctt gcaaaggtaa 240
catgggaggg acacaattga aatgcagcaa agtcaaccaa ggacttgaac ttgaaagggt 300
gcaaaccatg actaccacca aaagttttgg aagtcaattc taaacanaca aggtccattg 360
cactgagcct gcccgagcac agaatttcta ataccaaattg tgatggcaat tcctcaatgg 420
aaaaatggtc tgcaacggtc tccatcctc 449

<210> 15452
<211> 452
<212> DNA
<213> Glycine max
<400> 15452

gtacatatat taaaggcatt cgctggttaa tctgtctata gtactctcgc aatgcgattc 60
acagtttcag gaacatattc aagtacaaga ttcaagtaaa cttcttcttt gtcagtcgtt 120
gaaaagaaac aatgccttag ggcaacaata tttggatgat ccagcatttg cataatttgt 180
aactctctat tcttgtatcg cttgtcctgg agaactttct tgatggccac aatttctcct 240
gtttctctac attttgccata ataaaagcat tgataaaacg aagaaggat catcagtatg 300

tcatacatca acagcatggg gtttagaaga gatatgaaaa gcaaactcac ctgaaaaaca 360
acacccaaaag agcctgtccc cactacatgc tctgcaatat aactaacatt ctgtcaactc 420
acaaataaaa attatgtcag aggaagtatt ag 452

<210> 15453
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15453

agctntcttc atttgtcgat atggatgata atgtttgaga aatcttcggg gccttgtgta 60
tactatcttc tttccatggt ttagttggaa gaagctcata tttttctcac atataggaca 120
tgtatgatgg cctttgacac tataaccact taaatttcca tatgttggat agtcattaag 180
gggtgcaaaaa accattgcac gcaacctaaa ggtctgctgc agattcccat gccacacatc 240
taccatctct tcccacaatt ntgtcaagtc ttcgatcaac gaaatcaaat agacctcaat 300
atcattccct ggctgtcttg gagccactat catcatgcan agcattatgt acttttgctt 360
catgcacaat caaggaggga agttgtaaat cattagcana acagactatg aactgtgat 419

<210> 15454
<211> 474
<212> DNA
<213> Glycine max
<400> 15454

atctacatag agtagaagat agatcattga tccatcctcc accttggtgc gataacacaa 60
caatcataga gacttctcta gaatccttgg ctggtgataa agctatcaaa cctcatgtac 120
cattgccttg gagattgttt caaaccatac aaggaccttt gcagctgaca aacatacctt 180
tcttttactt gaacttcaaa cccttcaggc tgtttcatta gaatatattc ttccaatctt 240
ccatggagaa aagcagtctt gacatcaagt tgttcaagtt ccagatcttg gtttgccact 300
atagcaagca gaaccctgat ggatgtatgc ctaaccataa gagataaaat ttcgttgaaa 360
tctattccct ctttctagct gaatcccttg gcaactaacc tagccttgta tcttatccct 420
tccttttcta aaagaccacg tttcctcttg aatatccact tgcaacctac caca 474

<210> 15455
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15455

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 tacactctga ttcattgagc accaagagat tagtgatggt ccagaattga aaacataccc 120
 agcagtgcctt ttcctatcat ccttatcacc acaccaatct gaatcactat aaccaaacac 180
 ttctcctttt atattcttct gactgtaagg atataaaatg ccaagatcca atgttccttt 240
 cacatacctc agaatcctct ntgctgcaa gaagtgaggt gcctttgggt tctccataaa 300
 cctacttata aaccaaacac aatatgcaat atcaggtcta gtgttacata cgtatctcaa 360
 tgagcctaca atttgcttgt acaaggtagg atcaacttct ttctcatccc catctat 417

<210> 15456
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15456

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 gatcttatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttctccatt taaaggaaag 180
 aatgatccgg aggctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
 aactatgagg aggacaaaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360
 tggacggaga tganaaagat catgaggaag cggatatgtgc cggctagtta ctcaagggac 420
 ttganattca agcttcanaa actaac 446

<210> 15457
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15457

agcttataat atatcgatac gctcaaaatt aaacatcgaa nactctcgag aaattcaaatt 60
ggccgtaact ttccacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 120
ttgaacaacg gaagctcttg agacattcaa atggtcataa ctcttcacac ggatgtccga 180
ttcaggcaaa tcacaaatcg agacgctcaa aattgaacaa cggaagctct ttgagaaattc 240
aaatggtcatt aacatttaac tcggatgtcc aattcaggcg catcacatat agtgacactc 300
gaaattgaac aacggaagct ctcgagacat taaaatggtc ataacttttc aactgatgt 360
ccgattaagg cttataatat atcgattcgc tcgaaaataa acatcggaag ctct 414

<210> 15458
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15458

tgaatcggac atccgtgtga naagttatga ccatttgaat ttcacgagag cttncggtgc 60
tcaatttcga gtgtcactat atgtgatgcg ccacaattgg acattcgagt taaatgttat 120
gaccatttga atttctcaag agcttccgtt gcacaattct gagcgtctcg ttatgtgatt 180
cgtctgaatc ggacatccgt gtganaagtt atgaccatat agatttctca agagcttccg 240
atgttcaatt tcgagcctct cgacatatta tgcgcctgaa tcggacatcc gtgtgaagag 300
ctatgaccat cttgatttct ccagagcttc cgatgctcaa tttcaagcct atagacatat 360
tatgcgcctg aatcggacat ccgtgtgaaa agtatgacct ttgaatatct ccacaacttc 420
catagtaatt tcaacgt 437

<210> 15459
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15459

tcgtgtccaa ggatgacaag gtgcagtaca tgcaaagaga tattacattc cgctaaaact 60
taaatagtgt atgggcagga tatccagaaa tcatgcatat tgcattgtac ataaagtcac 120

aaaçaagggt actcaagcat gttaatatct gcaatgtcca tcacattnta aacagatcaa 180
 ggaataaagt caagagggtt acagcatcca cagaggcttc agctgctcct ttgaaatagc 240
 caatagatcc ctcaataagt cttctatatc cttgctctgg agcaattaga tgtggctgat 300
 aaccatccgc ttccataacc acttttttga cattctttta cgaaagatgg cgattaaatg 360
 ggagctctct taatgcagct ggtaatgggt ggtcaaaaac accatatatt ctatccgcgc 420
 caggacgtct aatatacaag ttggtactta gtcaaat 457

<210> 15460
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15460

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 ctgaaacaag atgtaattat gttctttaca ctattcactc ttatatttgg ggtccaagcc 120
 gagtccatc ttttggtttc aagtattttg ttacctttat tgatgaatac tctagatgta 180
 cctgngttta tttaatgaaa gatcaatatg aacatttacc tatattcatg tctttcttta 240
 atgaaatcaa gaccagttt ggaaaagtaa ttaagattct tgcgagtgat aatgccaaag 300
 aatatttctc ctctaattc tctttggttt aaccacacaa ggcattttac atcaggccac 360
 atgtctcat acaccacaac aaanatagta t 391

<210> 15461
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15461

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 aatatatcga gacgatcgaa attgaattct gaagctctga gctaattcaa acgacaataa 120
 tgatttgctc ggatgtctga ttgagtcctg taatacatcg agacgctcga aattgaatgt 180
 tgaagctctc agcaaattca aacgacaata actntttact cggatgtctg attgagtcct 240
 gtaaaatata gagacgtca gaattgaatg ttgaagctct cagcaaattc aaacgacaat 300

aacttttttc ctcagatgtc tgattgagac tcgtaatatata tcgagacgat cgaaattgaa 360
 ttctgaagct ctgagctaata tcaaacgaca ataatgattt gctcggat 408

<210> 15462
 <211> 340
 <212> DNA
 <213> Glycine max
 <400> 15462

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 acgttattgt cgtttgatt agttcacagc ttcagaattc aatttcgac gtctcgatat 120
 attacgggtc tcaatcagac atctgaggaa aaaagttatt gtcgttgaa tttgctgaga 180
 gctcaacatt caattttgag cgtctcgatg tattaccgga cttaatccga cattcgagtt 240
 aaaaggtatt ggtggttgaa tttgctgaga gcttcaacat tcaatttcga gccgctcgat 300
 attttaccgg actcaatcag acctccgagt aaaaagttat 340

<210> 15463
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15463

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 gatcaaattg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccaaata tgatggtatt aaactcaaca ttctccctt taaaggaaag 180
 aatgatccgg aggctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
 aactatgagg aggacaaaaa ggtgaagctt gtcgccatgg agttttccga cgatgctctt 300
 gtgtggtgga acaaactaca aaaggagaga gcaaganata aagagccaat ggttgataca 360
 tgggtagata tganaaggat catgaggaag cggtatgtgc cggctagtta ctcaagggat 420
 ttgaaattca agctccaaaa actaacc 447

<210> 15464
 <211> 294
 <212> DNA

<213> Glycine max

<400> 15464

agcttccatc tctattcact cagaggtcag attcgggcac ataatatgtc gagatgctcg 60
gaattgaacc actgaagctc tcaagtaatt caaatgggtca taactttaca cacagatgtc 120
cgatcttggtc gctactctctc cagagttagc cgaactgaa catcagaagc cgtcagagaa 180
ttcaaatgga cctagttatc cacacggatg tcatattcgg gcacataaca tctcagatc 240
ctcgttaattg taccacgaaa gctctccagt aacttcaaat ggtcataact tttt 294

<210> 15465

<211> 419

<212> DNA

<213> Glycine max

<400> 15465

tgaatcggac ctcaagtgtg aatgttatga ccattttaat ttcacgagag cttccgttgt 60
tcattttcga acgtctctat atgtgatgcg ccttaatcta acatccgtgt gaaaagttat 120
gaccatttga atttctcaag agcttacgtt gttcaattat gagcctctcg acatattatg 180
cgcccgaatc ggacatccgt ttaaaaagtt aagaccattt gtatttctcg aaagctatct 240
tggttcaatt ccgagcatct cgacatatta tttgcccgat tctgaccttc gtgtgaaaag 300
ttatgaccat ttgaatttct cgagagcttc caatgtttta tttcgagcga ctcgatatat 360
tataagcatg aatcggacct tagtgtgaaa agttatgacc atttgaattt gtcaagagc 419

<210> 15466

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15466

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ccctagcctt gcaacaagtt ctagggaagt agacacggag atggacaaga aaatccgcgg 120
tattgtgagt agcattttga aagaagcttc tgtgcctgat gctgagaaag atgttccaac 180
atcttccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
cccaaagtct gaagccctcc cttcaccag tgaagaggaa tcaacagaag aagaggatca 300

agcctcanag gagactcctg caccacgggc accagaact gctccaggtg acctcattga 360
 cctggaagaa gtagaatctg atgaagaacc cattgccaac aggttggcac ctggcattgc 420
 ggaaag 426

<210> 15467
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15467

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 tatgcaagaa gcatatgatc aaatgcagac tccattagcc cgccaaatac cacctgcctt 120
 ggtaagtata atcctatgat tccaattga cttgaatttg tgatctctct ctectttatc 180
 ctatatcttg ttcttcaagc aggggctaaa ggagctgaag gaatccacca tccaactggc 240
 ttcaagtcac ggatacattg attcccctgt tgatgagact gttttcgatg tggataacga 300
 tgttgatgac cttctgccag ttgaagttaa agaacagcgc ctgagcaatc tgctgcaggc 360
 attgatgggt gcggcttggt ttgctgctat gcctcttttg aagaagatac caacttcagt 420

<210> 15468
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15468

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 gaagctcttg atatattcaa atggtcataa cttttcactt gagtgttcga ttcaggcaca 120
 tcacatttcc agacgctcga tattgaacaa cgaaagctct cgtatattca tatggtcata 180
 actttttcact cggatgtgcg attcaggcgc atcgcatctt gagacgctca aatttgaaca 240
 acagaagctc tcgagaaatt caaatggtca taacttttca ctcgatgtg cgatttaggc 300
 gcatcacatt tcgtgatgct tgaaattgaa caacggaagc tctcgagaaa ttcaaatggt 360
 cataacgttt aactcggatg tctgactcan gcgcatcaca tttcaagatg ctcaaaattg 420
 aacaacggaa gctctcgaaa aattcanatg gtcataactn ttcacttgag t 471

<210> 15469
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 15469

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Lagcttagtt tcataaggatc atagtgcatg ctactctgtg gtacttcgtt aactccagtc 60
tccactcgga ctttcagaat agcagagttt cagtatgata aataactaga aagatccaca 120
aatcaatatt gaaggggtcat agttattaca accaaagtgg ggaaaattca gattcatcat 180
agatagatta gtaggcta atttgcatatc tgacctgctg atgagactgg aacatgataa 240
tggtgtagaa ctccagttgc tggaagatac cctttttgaa cattatcagc atagattcga 300
gcttcataag catgacctgc catcacatac agagttataa tatactgaaa cttcaaggcc 360
tctaatagat ggat 374
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<210> 15470
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15470

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agcttggatt tccttttagt agggaaatcta tccttcctaa gatggagcca aaccagtc 60
ccctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata cacctttgtt 120
tggttctcta tttgggttctt aacctctca tgcattctct ttacaaattc tgacctagat 180
tccccctctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtgtt 240
aggggattga acccatagac aacctcaaaa ggggactgct tggtggttct atgaaccccc 300
ctgttgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgcctttc 360
agaagagccc ttannagggg ggataaagac ctattcacta cctct 405
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<210> 15471
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15471

agcttagttg gcgggcaata taaggaatcc catttccagt ccagaatatg aagagactca 60
atgatgggat ggttcttagt gctagacgga ggaaggacta caaattgagt gggtagcggt 120
ccgtgatgga gtttcaatag tgaaatatga aacgtgggat gaatcttaga agaagatggt 180
aactggagtt tglacaggac agggcccacg cgttcgagta tttggaatgg accgtanaat 240
catttgcca acttgggtga agctgggcga natgatgtt ggcgatatg cclaagacat 300
acatacacc agttgcctac tgtgaattca agactacgac aatgagtggt tgcacagttt 360
tatgt 365

<210> 15472
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15472

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accatactct ttccaaatgt agacggccta gtggatttag caacgatcga cgcttttctt 120
gcttatcacc acaataagga aagcccggtc attactgatg caatcctccc taggaaggga 180
caagtcacta gagccatgag caaaaggctc caagaggatt gggcaagagc tgctgataaa 240
ggccctacgg ttcttatgaa cctcagggtg gattttctgag cccatgggcc aaggttgggt 300
ccaattatct ttgtacatat tatactagga tgtcattata tgtgatcctt gtatttagga 360
gtccataatg taagtagggt accctagaaa tatacgagtt tntagccctt gtattttacg 420
gcacttagac tactt 435

<210> 15473
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15473

agctttgatt tcctttgttc cgganacctt tcttttctca tgtgcaccca aaccaatct 60
ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttattt 120
ttcctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcctttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300
 ctattgtaag caaattcaac atggggtaaa caagcttccc aagtttttaa gttcttcctc 360
 anaactgtcc taagcaaagt tcccaaagtc ctattcaaaa cttccgtttg cccatcg 417

<210> 15474
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15474

ntgagcacat tcaaatgaca ataactnttg actcggttgt cttattgagt cccgttatat 60
 atccagacgc tcgaaattca gaacataagc tattagaaaa atcaaacgat aatcactttt 120
 aactcgggtg tccgattgtg tcccgtagta tatcgagacg ctcgaaattg aaaactgaat 180
 ctctaagaaa aatcaaacga caataacttt ttactcggat gtccaattga gtcccgtaat 240
 atatcaagac gctcgtatct gaaaatagaa gctcttagca aattcaaacg acaataactt 300
 ttactcggga tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tganaaggga 360
 agctctaaga aaaatcaaac gacaatgact tttaactcgg atgtcggata gagccccgca 420
 naatatcgag atgctcgaaa ttganaacag aagctctgag caaattcaaa cgacaat 477

<210> 15475
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15475

tcctcctcaa gctgtccaaa atccccaaaa tgtcagtgcc atttcattga ggtcggtaaa 60
 gcagtgtcaa ggacctcaac ccgtagcacc ttctcatct gcaaatgaac ctgcccact 120
 tgtctctaac ccagaaaaag gtaatgacaa aaatttacct aacaatttct atgcagatga 180
 atcttcact ggcaattctg atttgagaa gcagcacatc cctcctcttc cattccctcc 240
 aagagcgggt tccaacaaaa aaatggaaga tgcagagaaa gagatcttgg aacatttag 300
 aaaagtagag gtaaaccatac ctctgctgga tgcaatanag canattccaa gatatggtaa 360

attcttgaag gagctgtgca ctaataaacg gaagcttaaa ggaagtgaac aaattagcat 420
gggcagaaat gtctccgcac tgattggtaa atctgttccc caaatcct 469

<210> 15476
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15476

agcttcgatg aaaatattga gtaaaaaata aactaattag aacaagtagg agaaatatga 60
ataaaaaatca aagaagtatt atttttaaaa aattattgat aaaaagcata aatagaaagt 120
tatttaattt aaatgtataa attaattcaa acgttcattt cctaattgggt gaatagggtac 180
ttctgaaata tattgnggcc ggtaatatag tccactttca ttacagtcaa ttgctagctg 240
ttaattaatt ataatttttc ttttatcttt ttactttgat ttattcaata atttttattg 300
gttaacaatt tcaaataaat tcttttaaaa aaattgtcat taatattact catcttgact 360
cctgagttnt gataattaca ttctactct tgac 394

<210> 15477
<211> 333
<212> DNA
<213> Glycine max

<400> 15477

agcttgacag gctgccatag cagcaacaat atattctgct tcacatgtgg acaaagcaac 60
tacactctga tacattgagc accaagagat tagtgatgct ccaaaattga aaacataccc 120
agcagtgttt ttcttatcat ccttatcacc acaccaatct gaatcactat aaccaaacac 180
ttctccttct atattcttct gactgtgagg atataaaatg ccaagatcca atgttccttt 240
cacataacctc agaatgctct gtgctgcoaa gaagtgagga gcctttgggt tctccataaa 300
cctacttatc aaccaaacac aataggcaat atc 333

<210> 15478
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15478

agcttgctaa tcacagggca ttgcaaagt gcaatgtgga gactcatttt attgataact 60
acaaagaaga cctctttgtt gatgctaaca attcagtgtc tgtgaaagaa gcatatgaag 120
ctgctagact taatgcatcc ctgggtggcg calgcclcat tgaaaaagag catttcatal 180
tggctagaaa tccacctggt aaatlgctcc attcttctg tgaatgttg agtctgtttt 240
gtaattttcc ttggtattta cataagcatg ttcagggggc agcagcttgc tccctatatg 300
gtattcttct ccacctttca gaatccatca tcangctaag cgtagaatgg aacttgagtg 360
ggataatgaa tatggtagtg gtagctcana gatcatgaag cttaccatca cttatc 416

<210> 15479
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15479

agcttccatc accattactt tccttaactn tttaaatagt gatcaagggc tttccatgga 60
ccctaagaga ataaagggtca ttcttgagtg gcctactcca tcaagtataa gggaaatttg 120
gggtttcaat gatttaacaa acttttacia aaggtttgtc ccatattttt ctatacttgt 180
agcaccactc attgagttgg tgaggaacta tgttctctca tggaaagatg gtcaagaaag 240
gcgttttcag tccttaccct actctaact acccaacatc actaattcaa tgttntaatt 300
cttttaacag gtgttgagaa aagaatccct gagtttcaag aacctctgga tttgaggtca 360
aatcctttnt tacgcattaa gatcaataga 390

<210> 15480
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15480

tgaaggtaaa ctagatgcct tggttaacct gttaacccat ctggccatga ataaanac 60
tgcacctgtc gccagactct gtggtttatg ctctctgcc gaccaccaca tagacctttt 120
cccttctgtg caacaatctg aagtaattga acagcctgaa gcttatgctg caaacatcta 180

caatagacct cctcaacctc agcagcaaaa tcagccacaa cagaacaatt atgacctctc 240
cagcaacagg tacaatccccg ggtggaggaa tcatcccaac cttagatggt cgaatccttc 300
acaacagcaa caacaacaac aacaacctta ttttcaaaat gttgctggcc caagcagacc 360
atacgttcct ccaccaatcc aacaacaaac tctngaggct cctccacaac ctcccttan 420
agaacttggt aggcanaatga ctatgcanaa catg 454

<210> 15481
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15481

ttcttcatgt tagagtcaat gatcaaattg agaggaanaa taatagctat gctaaacaag 60
ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgggtttgg gtgcacatga 120
taaaagaaag gtttccggaa caaaggaaat catagcttca accaagggga gatggaccat 180
ttcaagtgtc tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tatctctctt tgatgcagat ggagaatcca 300
gattgaggac anaccttct caagagggag agaatgatga ngacatga 348

<210> 15482
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15482

tactcagctt gaaaaatcaa tgggtctaact ntcacacgga tctccaattc atacgcatca 60
catattgaga cgcttgaaat tgaacagcgg aagctcttga gaaatagtaa tggtcataac 120
ttctaactcg gatgtccgat tcangcgact cacatataga gacgcacgag aatttaattg 180
tcataactgt tcacactaaa gtcctattca ggcttataat atatcgagat actcgaaatt 240
aaacatctga agctcttacg aaattcaatc ggcataattt 280

<210> 15483
<211> 319

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15483

agctttctag attttcgaat ggtcataagt tntcacacgg atgtccgatt caggaaaata 60
ataatctgag acctctgata ttgaaccacg gaagccttng agaaatcga atggctataa 120
gtttgcacac ggatgttcga ttccgggaca taatatctcg agacgctcaa aattgaucac 180
cggaagctct cgagaaattc gaatggatcat aacatttcac tcggatgttc gattcaggta 240
cataacttat ctagacgctc gaaattgaac aacggaagct ctcgacaaat tttaatggtc 300
ataaattttc acacggatg 319

<210> 15484
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15484

agcgtctcga tatattatgt ccccgaaatcg gacatttgtg tgattactta tgaccattcg 60
aatntctcga gagggtttcg tgttcaattt cgagcatcta gatgagttat gtccctgagt 120
cgaaaatccg tgtgaaaagt tatgaccatt cgtaattctc gagagctttc gcagttcaat 180
ttcgagcgtc tcgatatatt atgtccccga atcggacatc tgtgtgaaaa cttatgacca 240
ttcaatatte tcgacagctt ctgttggttca atntcgagcg tctcgatata ttgtgtctcc 300
gaatcggaca tccgtgtgaa aacttatgac cactaaaatt tgtcgagagc ttgcgttgtt 360
caatttcgag catctccata tataat 386

<210> 15485
<211> 417
<212> DNA
<213> Glycine max

<400> 15485

agcttctatt ctgaattttt agcatctcga tatactgcgg gacacaatcg aacatccgag 60
caaaaagtta ttgtcgtttg attttgctcg gagcttctgt tctgtatttc gagcgtctcg 120
atatattacg ggattcattc ggacattcga gtaaaaagtt attgtcattt gattctgctc 180

agagcttctg ttctgaattt cgagcgtcta gatatactac gggacacaat cagaaatcca 240
 agtaaaaagt tattgtcgtt agattttgct tagagcttct attctgaata tcgaacttct 300
 cgatatacaa cgggatacaa tcggacagcc gagtaaaagt tattgtcaat ttattttgct 360
 caaagcttct gttctgaata tcgagcgtct cgatatacta cgagacacaa tcggaca 417

<210> 15486
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15486

accctcagc caaatagtat ccatcttggg ctcttttccc acaattcttg taaatgggag 60
 agaaatgttc atctaaagca tacaagtecc taatgttata aaatcctana atttgagctc 120
 ctanggagca aaacaatgtg tgtctcctag agagggcatt agctaccaca attgtttttc 180
 cctttntgta ttgataaca tatggaaatt gctctangta ctctacccat tntgcatgcc 240
 ttttgtttaa cttgctttgc cctctaata gaacttaagtga ttgatgatca ctatgaatga 300
 caaattcctt ggaaacaagg taatgttccc aagttcggag tgctcttatt aaggcataaa 360
 gctctttatc at 372

<210> 15487
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 15487

atcttcaatt tctcctagac actcatcata ccgagggttt gtctcacata ctttccaaat 60
 tcttcccact tcatccacct ttcttaggtt tgcatagagg ggaagcacia ttccggcatat 120
 ccaccgattc tgtttataag tttccccttc catctccttt aataaagttt cagccttatt 180
 ttgaagccca taagagatgt aaagcctaata caaaacaacc tgcgtagtga tgtctgggtc 240
 aatgcctcga gccttcatcc tatcaacaat ttgatccatt ccatcaataa cttttggact 300
 ggcccttctgt gtctattaag atcgaataag tatgagaaga acggttgata ttctcatttt 360
 ccatatcaat aacacatcag ctatttcctt cctgtcattc cttctataca gaa 413

<210> 15488
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 15488

tttttcaact ctcttgcgtt ttttctctct ttgtgtgcta cactatgcta accttcaatt 60
 caattggatg tgaagaatgc tttcttgctt ggtgacttac attaagcggg gtatatagag 120
 caatcacctg tgtttgttgc ttatggggag ttaggcaacg tgtgccgctt aaagaaagtg 180
 ttaatggctt gatgcaatca cctagatctt ggtttggaga ttaaggggtg tggccttgct 240
 tttgactgaa gctgagtcaa agagatcata ctgtaattta taacaatact aaccttggca 300
 gcactttact tgtggatatg ttatgatatt gtgaaacaag aagtgatata a 351

<210> • 15489
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15489

gaacaggaac attagttatc tgttatttca tagcaataaa agccttctct tgttgatccc 60
 tccattcaaa aacaacattt ttcttaacaa tttcatttag atgtgcagcc aangtgctaa 120
 aatctctaac aaacctccta tagaaacttg ctaagtcatg aaagctcctt acctcactta 180
 tattttatgg ggttggccaa tcatgaatgg ctntcacctt ctctagatca acctgcattc 240
 cttgcgagct aacaataaat ccaagagaaa tgacatgggt catacaaaac acacatctat 300
 gcacgttaac atacaatttc tcacacctaa gtggcttcaa gatacacctc aaatgcacaa 360
 catg 364

<210> 15490
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 15490

gctggccttg aatcagaaat ctgaccacca tacagacctt tgcccttcca tgcagcaacc 60
 tggagcaatt gagcagcctg aagcttatgc tgcaaatatt tacaatagac ctctcaacc 120

tcagcagca aatcaaccac agcagagcaa ttatgacctc tccagcaaca gatacaaccc 180
 tggatggagg aatcaccta acctcagatg gtccagccct cagcaacaac aacagcagtc 240
 tgctccttcc tttccaaatg ctgctggccc aaacagacca tacat 285

<210> 15491
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15491

tactatccgt ttcagacatt cttctgataa attcataagc aagatccagt cttccacact 60
 ttgcatacat gtctgtgatg gcagatccca cattaactat attctccaat ggtttcttta 120
 gaatatcaca atgcaactcc ttccctaatt tcagagcagc caaagcagca caagctggca , 180
 aaacactagc catggttagg gaattaggca ccattccctc ttgaattaac cacctaaaag 240
 tggttatagc atcgatattc agcccatgaa gcacataacc tgagatcata gctgtgcana 300
 ctgcaacatc aaccaaagta ttctgctgaa aatcttgctg gccatctcca catctcctcc 360
 cttgaagtat at 372

<210> 15492
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15492

gccgagttga gaacaactta atgtgttcca ttagcttctc aggacgatat cttgcataca 60
 gaactcccaa ctcagtanag atacccatat gtgcacgctc caatcctaac ccactctcca 120
 ttagagatat gagttcattg aagcatcctc tgttctgata gtactcgcta acctcctcca 180
 natcatccac cttcaatata aaacagatag taagtattca gacaagggtca aaagggttaga 240
 caaagcaatc aaaagttntt ctggcacttg gtttttagtat tttgctacta gctacatcct 300
 ttaacttgca tttaaaggat ntccaacatg ggaagaattg tgtagtaatt ttggagttag 360
 gagggggcaa tcattcctgc aagtacaaaa tcacaa 396

<210> 15493
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15493

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 tcactttagt aatgtgttat ttcaatcttg tggcctccta tctgtgata tctgggagcg 120
 agatatcatg cgggttcttg tggagtgttg cttgcaagag aaagctttta acaagtatta 180
 taccgtgttg gttccaagt tatgcgagca tgacaaaaat cataagtta ctctacaggt 240
 attgattttc tctccctgtt gtaggattta gatgagaact aaatngtgga attgtgtact 300
 atttgccctca tgagtcanaa cagttacatt ttttaactac tcacagagag ggaaaatatg 360
 actagaggaa cacttattat gaaatatatg agtgcacat 400

<210> 15494
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 15494

cgaaattgat caacagaagc tctcgagaaa ttcatatggt cataatttgt tacacggaag 60
 tccgattcat gcgcataata tgccgagacg ctcataaatg agcaacggaa gctctcgaga 120
 aattcaaagc gtcataacat atcacacgga ggtccgattc cggcggatag tatatcgaga 180
 agctcggaat tgcacgacga aagctctcga gaaattcaaa tggtcataac ttttaaaacg 240
 gaagtaagat tcaggtgcat aatatatcca gaaagttgaa attgaaccac ggaagctgtc 300
 gatatatcca aatggtcata acttatcaca cggaagatcg attcatgcgc ataatatatc 360
 gagacgct 368

<210> 15495
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15495

agctntgaga taattcaaac aacaataact gtttacacgg atatctgatt gagtcatgta 60

atatttcgag acgctcgana ttgaattcng aagctctgag caaattcaaa cgacaataac 120
 tttntactcg gatgtcttat tgaatcccat aatatatcga caagctcgaa atagaatctt 180
 gatgctctga gcaaattcaa acgacaataa ctntgtactc ggatgtctga ttgagtcctg 240
 taatataatcc acacgctcca aattgaatac cgaagctctg agcaaattca aacgacaata 300
 acttttaact cggatgtctg aatgagtcct gtaatatatt gagacgctca aatggaatac 360
 ccagagctct gagcanattc aaacgacaat aactttttac tcggat 406

<210> 15496

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15496

aatattgtag ccgatgtct ntctcggcgt catgcattac tttctatgct tgaaacaaaa 60
 ttgattggtc ttgaatgttt gagaagcatg tatgataatg atgaaacttt tggagaaatt 120
 cttagaatt gtgaaaaatt ctcagataat ggtttcttta tacatgaagg ctttcttttc 180
 aaagaaaaca aaatgtgtgt gcctaaatgt tctactagaa atgttcttgt ttgtgaagca 240
 catg 244

<210> 15497

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15497

agctttgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 aaagatgtcc agattgcaac tcctggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg ataacagatg anaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtactg caatagagga ggcccaagac atttgcaaca tgagagttga 360
 tgaactcatt ggttctcttc aaacctttga gct 393

<210> 15498
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15498

tgctaaacca tggaaactcc tcaatctctcc cccactctnn tgggtgggct ct ct tggat 60
 ggccttgatt ntctcaaggt ccacttggac cccatttcta ccaactacaa accctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctangctcc tactctacac 240
 taaaatatca tcaaaataaa taactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctaggcattc 360
 atacaaacca atcttgggtct tgaaagcggg tntccactca tca 403

<210> 15499
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15499

tcatcaacta cttgtttcca agggaaattc tataaacaga cctcccatct ttaatggagt 60
 gggttaccac tactggagaa cccgcatgca aatctttata gaggcaatag atttaaatat 120
 ttgggaagcc atagaacaag gaccttatgt tccctctata atagccggaa gtgcaacaat 180
 agaaaaacct atagcagatt ggactgagga agaaagaaga ttagtacaat ataatttaaa 240
 ggccaaaaat attattacat ctgccttagg aatagatgaa tactttanng gttcaaattg 300
 tanaagtgct aacgatatgt gggatacact acaagtaaca catgaaggca caacatat 358

<210> 15500
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15500

agcttttgtt cttcagccac caatccatta tcttgaaagg tttagggtccc caatcattgg 60
 ttctagacct caataggatg gggcaatgat cagagaaatc tctatccaac acgaattgag 120
 tagtatctag ccattgggac agccagtcac cagaaagaag gaacctatcc aatttgctca 180
 tgacagtccc attgngtcta caccatgtga aatatctccc aacagaccta acctcctcaa 240
 cctccacata cagatccac gacataacac cagagctgct agtaagtctt atccatctcc 300
 atcttctctt taccgtngtt tttatcagca tgggcacac ccaggtctct agcgaatccc 360
 ctatgaagat cctcctcatt ctcanaataa ctattattga 400

<210> 15501
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15501

cggagatgcc tgccttagag acctgngatt ggtatcatag ttagttagta taatataata 60
 tctaattatc tattcatatc ttctgagttt tcaaattggga ggagggagtc aactcagtca 120
 agtttagaaa ttgtaggctc atcttaagaa agaaaaagaa acacaactca catggagcca 180
 gtcaatacag caaatattac agtcaaaacc ttgccttcag tatatccttt ctctattatc 240
 attgttgcac caaaccatac agccagacca taactgcaga taaaaacaaa gtagagcaaa 300
 ccatatccca naccagaggc tagtgcctct tgcactccag tcttatatg 349

<210> 15502
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15502

agatggacca ttcaagtgtc tganagaatc aatgactatg cttacaaagt tgagctgccc 60
 ggtgagtata atgttagttc caccttcaat gtctcagact tatctctttt tgatgcagat 120
 ggagaatccg atttgaggac aaatccttct catgaggagag agaattgatga tgacatgacc 180
 aagaacaagg gctaggatcc acttgaagga cttggaggac ctatgacaag ggctagaaca 240
 aggaaagcca aagaagctct tcaacaagtg ttgtccatac tatttgaata cacaccacag 300

cttcaaggag aaaacgtcaa agttgtgagt tgtatca

337

<210> 15503
<211> 357
<212> DNA
<213> Glycine max

<400> 15503

gccacattct tcttcacgaa ctcatagaga ggtgatgcaa ttgtagagaa attatgaagg 60
aaccttctat agaagcttgc taacctatgg aagctcctaa tatctccac actttttggg 120
gtgggccatt cttggatggc cttgattttc tcaaggcca cttggacccc atttctacca 180
actacaaaac ctaagaaaac tatattatct acacaacagg tacacttctc tatatttgca 240
tagagggtgg ttttctaag gactgataga acatgcctga gatgtcctaa gtgatcatct 300
atgttcctac tgtacactaa aatatcatca aaataaaca ctacaaatct acctatg 357

<210> 15504
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15504

atcttcaatc ttctcacaaa ggagaagaca aagtaaataa ggtgtgtctc caaactctta 60
agagggtgagt ttgaatcctt acatatgaaa gagtcggagt ccatttctga ttattnttca 120
agaattcccg tagtttcaaa tcaactagaa agaaatgggtg agaagttaaa agatgtaaga 180
attatggaga agatactatg ctcgttagat cccaaatttg tgcacattgt tgtgacaatc 240
aaggaaacca aagattttaga aactatgatg atagaaaaac ttcaaggatc actgcaagct 300
tatgatgaga agcataagaa gaagcanaag atcactgaga aaatcttcaa gatgcaacta 360
aaggagaaag aagaaagtcg aggaaatgag agaagtcaac 400

<210> 15505
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15505

nnggacttct atgtttctggg aacctctctt tncctatgtg tacccaaact ccatcacctg 60
 gttcaagcat gactntcttt ctgctttatg tggcttgccct tgcatagtc gcagttttct 120
 tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct ttagcctgtg 180
 cgtccttatg ctttaagcata gcaatgttag gcatatgcaa caaatcaaga ggaagtcaag 240
 gattaaatcc atnccctccc ttcaatgggtg gacacccagt tgcgctatgg acagtcctaac 300
 taccagcaaa ctcaccatga agcaaacatg tntcccaaga ttaagaattt ccttaaaaaca 360
 gtcctaacag tgacctaaag cctat 385

<210> 15506
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 15506
 tttctttgag tcttttcaaa cgacaataac ttttgactcg gatgtccgat tgagagccgt 60
 agtatatcga gacgctcgta attgaaaacg gaagctctaa gcacattcaa acgacattaa 120
 cttttgactc aagtgtccga tggagtccctg tactatatag agatgctcga aattgaagtc 180
 tgaagctctg agataaatca aatgacaatt actttctact ctgatgtccg agggaatacc 240
 gcactatatc gagacacttg taattgaaga tgaagctttg aggatattct gacgaaatta 300
 ctttttactc ggatgtccat tgagtccctgt gctata 336

<210> 15507
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15507

cgtgtgacaa ttcactgtga cagtcaaagt gccattcact tagcanatca ccaaagtac 60
 catgagagga caaagcacat atatgtgaaa ctacacttca ttagatatgt gattgaatct 120
 gagaagggtga aggtggagaa ggtttcaaca gaagaaaact cagctgatat gttcaciaag 180
 tccctctcta gtgtcaagtt caagcactgt ctggacttga taaattntga agatgcctaa 240
 agtagattgg tataagtgca gcctgaagc acaaggtaga cacttggttga tttggagtca 300
 aggtggagaa ttgtggtgtg tgactcanaa tcacaaatgg cacaagttag aaggctctaa 360

gaggtgctgt cataacagt

379

<210> 15508

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15508

agcttgtgag atctgaagac ttcttcagac atgtagaact ggggaagact gacaacccaa 60

taggttcaaa cgtgacctca agtggttgggt gatcaactat cacgactaaa cacgttgggt 120

ttgaacgctc cccacactca ccctcgagggc actgagatcc ttatagtcct tgaggggtact 180

ctctatgttg gatntgtgac ttccaatcaa gatggaaatc acctcttcaa caaagtgtgtg 240

aacaaagggtg atgtgtttgt gttcccaatc ggtctcattg atttctgcat caatgtggga 300

tatggcaatg 310

<210> 15509

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15509

agcttctgtt gttcaatttc gagcttgttt acatattatg ctccctaatc ggacatccgt 60

gtganaagtg ataaccaa atgaatttctcg agagcttctg atgtttaatt tcgagagtat 120

caatatatta taaccctgaa tcggacctaa gtgtgaaaag ctatgaccat tgaatttctg 180

gagtgttcc gttgatcaat ttccgcgcgtc tctatatgtg agtgacctga atcagacatc 240

cgagttaaaa gctatgacca tttaaatttc tcaagagctt gcgtagttca atttctagcg 300

gctcgatatg cgatgtgtat gaattggaga ttccg 334

<210> 15510

<211> 336

<212> DNA

<213> Glycine max

<400> 15510

gtgcctgtat atcgatgcgc ctgaagtcga catccgagtg aagaggtatg accatttgaa 60

tttctcgaga gcttcctatg ttttaattgtg agcgtctcga tatattatac gcttgaatcg 120
 aacctcagtg tgaaaagtta tgaccatttg aatttcttta gagcatccgc tggtcattga 180
 tcagcgtctc tatatgtgat gcaccttaat cggacctccg cgtgaaaagc tatgaccatt 240
 tgaatttctc gagagcttgc gttgttcaat ttcgagcgtc tcgacatatt atgcgcctga 300
 atcggacatc catgggagaa gctatgacca tttgaa 336

<210> 15511
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15511

agcttcaaca ttcaatttct agcgtctaga tatattacag gactcaatca aacatccgag 60
 taaaatgtta ctgtcgttta aatttgetta gctctccagc tttaaatttc gagcgtctcg 120
 atatatgacg ggactatatc agacatccga gtaaaaagtt attgtcattt gaatttgctt 180
 agagattcaa cattcatctt cgagtgtctc gttatattac gggactcaat tatacattcg 240
 agtaaaaagt tattgtcgtt tgaattntct cagagcttca acaatcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcaggcatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 tcagagcttc aacattcaat ttcgagcgtc tcgctatatt acgggactat atcagaca 418

<210> 15512
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15512

tattatgtgt tgatgattat aacacacaca cacacatgta tatgaattgt taaaataatt 60
 tatgaattaa tagttcanat aataaaatta aattgaagga aattaatata tcaagattca 120
 atgataaata cttccaatgc atnttagtt taattattta ttaattnttt gaattgaaaa 180
 tagtatagtt caatttaata gatacatggt ttgtgccatg taaatattaa tattgtgaga 240
 tgttcatatg attcatgagg tgtgataaca tgctgtgttg ggattataac attatgattg 300
 agattgagtg tgtgtgataa attgagtatg tgttgaattg taagatacat gtgtattaag 360

attntataca cattgagttg tgagttatga actgtacaat cacat

405

<210> 15513

<211> 333

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15513

ttacaaactt aattaactgc atanaaattt actntaagat ccttanataa tacatatcat 60

gagttcatga cggcaatggt taaatgtatc aattctatta aatttgagct cgttcaatta 120

tttcatacgt attattaata taatttctaa aataattatt ataaaaatta acgataagta 180

tgattacatg aaagtgtata attaatttat attattgata cctagtctat tttgtcatat 240

cttcactttt aaatntgaat tgtacatcta acaatntaat acataatatt gaatcaacag 300

tcaaacaat aattcaacca atttatcttc tta 333

<210> 15514

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15514

atcttattct actanggact ttagacaaca tgcatttcat tnttttcttt tcgaaatcat 60

acaaattggt cacattcatg gtagcaacat gcctaaaggg aaccttcata tcaagatgca 120

aatattgtaa taactctnta aacctcctat gttcaacaaa agagaatgga agatcatgct 180

caataatcat catagatatc atctcatgta ccacactntg atcaatnttt ttatttctta 240

atctcccagc atgatcaaga ataatatttc caacatcact attagaatgc cttcaaatat 300

acatcacatt tccncatatg acgttgtagg ttgaagtctc attcttattg tcaccgccca 360

cataatcttt caaacatatt tgcatttact cctcactttt tcatcact 408

<210> 15515

<211> 372

<212> DNA

<213> Glycine max

<400> 15515

agcttcagcc tcaatttaaa accttgcaaa taaaaatctt atcatttttt tttggaaaag 60
gctgagaatg caccgagcaa taacaaagac tgcgttcttt gaatgataaa agggaattac 120
cttccatata tgctgaagac acgctccaag tcacgggaac gagtcacga agacaagtgt 180
ccaacgtcga ggcggglett actatattta tcatcatggc gaggcacgt tgatttcttc 240
cagctctgca aaacaagcaa ctgaatgttg aaattcaatt caagaaaaag gccacacaga 300
aacccttttt tcaatggcat aacgatcacc gatgacatta gcaataacgt gagggaaatga 360
tgattgatga ta 372

<210> 15516
<211> 413
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15516

agtgacacta tgatactcag cttctattct atntaganat tcatgaaggt gttataatgt 60
ctganatcta tgggattaag atgggtcattg accaatccct attntatgat ttaacaaaaat 120
tgcctagtga aggtgtacct tttgaggggtg cactgattga tgaatggaaa ttcgatttct 180
ctgtgcatga tgcccgcggtg ttgggtttgca ccaaccaagc ggatatgacc ggaaggcttc 240
ttgccgggttc attggctttt gaaatccgca tcttccatta ctttatagtt cacatattgc 300
ttcttagatc ttcaaaccct gcccagggtt ctgaagaaga tctcattgtc atgtgggcct 360
ttcataaagg ttacananatt gattgngcac atcttggttag atatcgcatg cat 413

<210> 15517
<211> 369
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15517

agagacgtgg cgtttaacga gaaaggcatg aaggattggt cttcanagtc tcaataggag 60
tcgatgggtga tcgctgacaa ccatgaagaa nattatgaaa ggctactaga tccaacacct 120
gatgagccat aatcatccag gaggccatag aggaatcctc aactctcagc tagattgcaa 180
gattatgtca tgtttaatga caaagataca tctaataag agattatcaa ttttacttta 240

tttgcagact gtgatccagt tattttttgaa gaagcctcaa gtgacgagaa ttggagaaag 300
gcaatggatg atgagattcg tgctattgag aagaatgaca catgtgagtt ggtggacttg 360
acaacaaac 369

<210> 15518
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15518

agcttctata taaggttcgt tcctaatttc tctacaattg catcacctct caatgagcta 60
gtgaagaaga atgtggcatt taactggggg gaaaaacaag agcaagcctt tgctttgctt 120
atagaagagc ttactaaggc acctgttcta gctcttcta acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatggg ggcaccctta actacccac ctatgataaa 300
gagctttatg ccttaataag agcactccga acttgggaac attaccttgt ntccaaggga 360
attgtcattc atagtgatca acaatcactt aag 393

<210> 15519
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15519

tgaatcggac ctcaagtgtan aaagttatga ccatttgaat ntctcgggag cttccgttgt 60
tcaatttcga gcgtctgtat atgtgatacg cctgaatcga acatccgtgt ganaagttat 120
gaccatntga atntctcgaa agcttccttg gttcaattcc gagcatctcg acatattgtg 180
tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagc 235

<210> 15520
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15520

atgaacagga ctgctactgt gtaagaagtg tgtcgggttg ggagcatacc cagatgaatc 60
ccttttgaan agcggtcgat gaccacaaga atggttggtat agccacgaaa tgcgggtaat 120
ccagttatga agtcgagaga caagtctctc catggccgac aggggaactgg taccgagcat 180
aatagacat tggcctctct agtctctctat ttcggtgtgt gacggtcgac ccgagagca 240
tattcagtyt gctcatcgag ggggtcaata atagcttctc agaactgagc ctctctctaaa 300
tcttgagcca actgggcctt taattctctc ag 332

<210> 15521

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15521

aactgagggg ctagctgggc atttgtctgc tagaggaatt atagcagcta ctgctatctg 60
aacgtgctca aacgtctcac ttaacattaa tagcacgttc actactgagc caaaacaaat 120
tcgaccgttg cttcacacgt cctctctacat tcttcaatca aacttatatt ntcgtggtaa 180
tctcaatttc agcatacccc aacagctctc agagatttac gaaatcattc caaacgctct 240
gcttctccat ggctacctca ccaaaagaaa cttcagctcc ttgttcaccc tctgtaccat 300
catctccatc atccaccana gcaccatcaa accaggaacg acctgaattc aatatccagc 360
ccatacagat gattcttggt c 381

<210> 15522

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15522

atcatcgaga tcttcatgat anacaataga aactagtaat ccttgacttg attcgatcct 60
cgataatgca atgcataaca tgccatggct aaagacagga tttggcagat aaagttacac 120
catacaagggt gagacgcctt gatacttggtt aatagacatt gcatgagata acatgattgg 180
agatagtctt ctcaaaagat taagaggcca cggtgattga gaacgcaaca ttgacattct 240

tgggatgtaa acatta

256

<210> 15523
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15523

tctcaaaggg catggttatt tctagtntcc taacaatatc taagaatctc accaaatatc 60
tggtctcttc cttcttggat ggtaccacaa gatatggtac ttccgcacct tcattcacag 120
ctttttctct ctttttctct ctagcttggt cacttctact cctctcttca ctcttattat 180
tatcatcttt ttcatctctt atcattacat aatactttat ctgggccatt taatatcttt 240
ttcttgacca ttattcgtct ttcttttgcc taatttcctt aacctttcac atcatctttc 300
ttatcatcaa tacctctatt ttcagcatct atcttcttgg gcacgacaac actgacctca 360
tcctccgect ccacaaacct ttaacttctt gtcttcac 398

<210> 15524
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15524

ntgagccaat tcanacgaca ataactttnt actcagatgt tttatatatt ctctgatat 60
aacgagacgc tcgaaattga atgtagaagc tctgagctaa ttcaaacgac aataacattt 120
tactcggatg gctgattgac tcctgtcata tatcgagacg ctcgagattg aatgctgtag 180
ctctgatcgc attcagacga cgataactgg ttacacggat gtgtgattga gtcccgtgat 240
atatcgaaac gctcgagatt gaatgtgtga tctctgagcc aatccgcacg act 293

<210> 15525
<211> 215
<212> DNA
<213> Glycine max

<400> 15525

ctcggatgtc cgagtccgga gcataatata tcgatttgcg tcgttttagat catcggaagc 60

tctagagaga ttcagatggt cataactttc cacatggatg tctgaataag acgcgcaata 120
tatcatgatg ttcgaacttg aacaacggaa gctctccagc aatactgata gtcataactt 180
tattctcgga gggacgattc atgcgcagaa tatat 215

<210> 15526
<211> 107
<212> DNA
<213> Glycine max

<400> 15526

tgaatcggac ctcaagtgtga agagttatga ccatctgaat ctctcgggat cttccgttgt 60
tcaatttcga gcgtctgtat atgtgatacg cctgaatcga acatccgtgt gaaaagttat 120
gaccatttga atgtctcgaa agcttgcttg gttcaattcc gagcatctcg acatattgtg 180
tgcccgaatc tgaccatcgt gtgaaaagtt atgaccattt gaatttctcg agagcttcca 240
atgtgtagtt tcgagcgact cgatatatta tacgcatgaa tcggacctta gtgtaaaaag 300
ttatgac 307

<210> 15527
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15527

tctgtccctg aganactggt tcccagaaga caacagggag tttagattgt tgtaacccta 60
gccttgcaac aagtcctagg gaagtagaca cggagatgga caagaaaatc cgcagtattg 120
tgagtagcat tttaaaagac gcctctgttc ctgaagctga tgaagatggt ccaacatctt 180
ccaccccgaa tgtttctgtg cctgatgttg agaaagatgt tccaacatct tccggcccaa 240
atgctgaagc cctcccttca cccagtgaag aggaatcaac agaagaagag gatcaagcct 300
cagaggagac ccctgcacca agggcaccag aatctgctcc aggtaacctc attgacttgg 360
aagaagtcga atctgatg 378

<210> 15528
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15528

ctanagtcgc atatcttana ggaaacgaat canaattgat gatgtacata tgagactaat 60
ttggtgggttc ataaaatatc tagctgtcaa acataagttt tactaactag aaatgaatgc 120
tgggtagggc attactatcc atctgatatc aacttgataa attacttggc ctagtgggtg 180
gggacccctg atctccatag ccaagttctg ctggtatttt cagcttccgc tctccaccaa 240
gacacattcc caataatccc tgggtcccaac ctgcaaagag aggtagtgtat catggaatac 300
tctatcttga aagatttccc atcaatcata aaccagtaat ttgtaacaaa attacatcat 360
acatactagt atgattatgt aaatacacgc atgcatgtat gtgagcataa attatagctc 420
atatgtcttg gtgggtatgt aaataaataa tat 453

<210> 15529
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15529

tgcagacnct cctatgacac atccaggact atcatctcca agttcattct tgtcctcagc 60
atgtgccttc tccattggag atcaagggtga catgtggagt ccaaagttca cagataattc 120
atcttttgat gtgcgcttag acaatccttt ccatgtggaa agacttaaag agtgtagtgg 180
gccatatagc accatgggtg aagtatcatg gctttataga gaaagtcaga agtcggctga 240
tactgagaca ctgctcctga atctagtgtg aagctgttat atacttatac ttgattgaga 300
taacacacta gaatgaactc tttggttcta agttgagttc taatgagcat gtgctattat 360
gttcgtatgg acacttattt gtcggctaga acaagtagac ctgggcatgt tgaagcacca 420
agagaagata gctatttggg tcaacataca ctatgcttta gcgatgcat 469

<210> 15530
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15530

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aaciaaacat gtcaataacg taataagtnt gatccgcctg tgccacccca aaaatcacat 120
acaaagaana agaaaacaga aaacaaaaac acgacattca ttcgaataac ctagaaaaagt 180
agcaaattca gacctcgtga aagatgcagt ccaatataga gtaggagggg tccttcttcc 240
ttgccccgct cggcaccgag gagggcaacc gatgcagaac ggcaccgttc cgcagacggc 300
ttatcgtcgc tccgttgcac gaaacgaaga aacacggttt cccggaaggg cgagcgaaga 360
cgaacctgan aacgatagaa aacggagttt gttaagttaa t 401

<210> 15531
<211> 502
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15531

aggtgtatca ccttctccca ccacctcctt atccgtgagg gagaggaacc taattntgtc 60
caaagcctag aatgtgcaca ttattcgcca ttaacaaatc gttcaacaat taacaaaaaa 120
tttaaatgca aggattttcc aaatgtaaac aaaaatactt tnttttaaaa aaaaaaaaaa 180
aagcgcttac atcagaagca ttggaaatca actctctgag gaagatatcc ttgttactgt 240
agagagaatt gatgatgata tccataagcc ggcacacttc cgcttggaac tcaaatttct 300
ccacgttgct ctgaagagat ttcttcgaga togactacac ctccctttca atcgcaacaa 360
cacgcacacg tttatacaca caataacaag agaacaagag ataaagggaa ataaaacaac 420
gaacacctct tgatgacatt tgaatcggta aaaggccatg aggcacatca ctgatcttgt 480
cctttacctt cggtggtatc ac 502

<210> 15532
<211> 339
<212> DNA
<213> Glycine max
<400> 15532

actcagcttg acctggacct tgcattgacc cttcaattat gaagtgtctt attgccttat 60
gctcttttga tagccctcta tcattccctt cttcttgaaa agaattccatc ctgagttgtg 120
catccaaaac acctacatca caagaagaca ggtcagcgac attgaaagta gagctcacc 180

catactcact tggtaagtca atcttgtaag cattgtcatt aattctctca aggaccttga 240
caggtccatc acccctatgt tggaagtcag atttcctttg tgaaggaaat ctatgcttcc 300
ttagatgtac ccaaactctaa tcttctgggt caaatacca 339

<210> 15533
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15533

cctctagcaa aaggttagaa agcgtgattc tccaccaaca gactctctgt aaccttcaac 60
ataaatatat atgactataa tggtttattt caatcagata cattntgctc taaggacttt 120
tccaccatta tcaaataatta tactcttaat ttctaaatgt aagtntcttt tatatatggg 180
tgatatttta aaactaattt tcttaaaaac ttaattatat aacaaaattg tgtcatacca 240
ttcattntat catactaata ctttgtcaaa taaatctttc atatatatat atatatgtgt 300
gcgtgtatat ttgaaattta ttcttcataa tgctttataa cataatctat ttaaaatcta 360
atcagacaac anattgctct ataccataga atttactata gtaatacctt tcac 415

<210> 15534
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15534

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aacaaaggtg gagtatggag gattgccttg aggggtccgca cttangcaat catgaaactc 120
agctccaaac tcgaaagtgg aggacacatg aacagcccta agcaagaaca ttcatgtggc 180
tccggaaaag gatgagaatg gaggattgcc ttaagggtcc tctcttatgc aatcatgaaa 240
cacagctcca aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcatgt 300
ggctccggaa aaggacgaga atggaggatt gccttgaggg tcctctctta tgcaatcatg 360
gaacacaact ccatactcaa aagtggagga tacatgaaca accctaagca ataacattca 420
tgt 423

<210> 15535
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15535

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 catttgataa gtgctgaatt gctgattgag taagtgccta attaaagctac ttacccaaac 120
 aaaccttgat tattatataa cgaatgtaat aaataaatac aaatcatata attttcctga 180
 ttactacctt tgcattgacat actgaacttt ggcactaaga ctgaactcag acataatgat 240
 acacatttcg aatacaagtc ataactgata atataatgat ntacttggaa cagtcataatc 300
 aaaaggcttt acaagtggat ctttcataca aagcagctgc tgagtgcctg gccattgttt 360
 taacggatat tggtaccaac ataaagcttg caggaaatac tcangaagga atcaaaaata 420
 ctttgaagct ctcaaaatag atccacacta tgct 454

<210> 15536
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15536

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 cattaagaac tagctccttt cttcctctat tgcccttagt tgaatacacc tatgtttggg 120
 tctctatttg ggtcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
 cttctttatg tataaaaaaa agtgtcaagt gggagggggaa tgaggtctaa ggggtgttaag 240
 ggattgaacc catagacaac ctcataaggg gattgctcgg gggttctatg aaccccccta 300
 ttgtacgcaa attctacat 319

<210> 15537
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 15537

tccgtattca atttcgatcg tctcgatgta ttacgtgact ttatcagaca tctgagtaaa 60
aacgttattg tcgtttgaat ttgctgagag cttcaacatt caatttcgag catctcgata 120
tattacggga ctcaatcaga catccgagta aaaagttatt gtcgcttgaa ttttctgaga 180
gcttcaacat tcaatttcga gcgtctcgat gtattatggg actctatcag acatctgag 240
aaaaaagtta ttgctgcttg aatttgccca gagctacaac attcaalltc gagcgtcttg 300
a 301

<210> 15538
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15538

ntagttcact acttcaagta gtgcacgatn tgcttccaga tgaaaacacg ttgccaaaaa 60
gttattatca caccaagaag atattgtgtc caatgggtat ggagtattag aagattcatg 120
tttgccttaa tgattgcata ttgtacatac atgagtntca agatatgcac aaatgcccta 180
ggtaggggg atcatggtac aaagtgaagg atgatgacga gtgtagtagt gacgaaaact 240
caaagaaggg accccaacg aagggtattgt ggcattctcc catcattcca aggtttaagc 300
atctatttgc taatggagat taacggaaaa aaccttacat ggcatgcana tgggtgaaac 360
tacgatggaa tacttcatca ttcggctgat tccaccagat ggaagaagat tgattgttat 420
atc 423

<210> 15539
<211> 313
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15539

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tcaacagtca catctttttg tgtggttctt gaatgagtat cataggccta taaatatgtg 120
acttgagaca cgaatttgat aagagttttt cagaacaaaa aggtcttatac ctcttataaa 180
gagaaatcgt tttatcctct tacaaattcc ttggccaaat tacttgtgat tcaataagga 240

attatttgaa tgctcaaatt gttcaatcta tctttttcaa gagagatttc ttcttctctt 300
 cttcttcatt ctg 313

<210> 15540
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15540

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 taaatttatg tatttttatt ttaaaattag aattctaaaa acatatacctt ttcagattga 120
 agaatgaaat tcaactaacc tgcacgaaga ataaatgatt ctcatattaca ataaattaaa 180
 ggtatacttt ttptaacaat aatacatctt ttaagttcat atttcttata attagaatca 240
 aaataataac tctctttttt tttaaatgag agagtatggt ataaacacag acatccaata 300
 acataacaga gcagcacttt aaagtgggaag acacttgtcc ctaattttcc gaaagatgcc 360
 atgattctta cgtggaaaag aatatntcct ttat 394

<210> 15541
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15541

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 gttcaagcac gactttcttt ctgcttttgt tggettgcct tgcataagctc gcatttttct 120
 ttccaatttg agccttcact tgctcatgca gcttcttcac atactcagct ntagcgtgtg 180
 cgtccttatg cttaaacata gcaatgtag gcataggcaa caaatcaaga ggagtcaaag 240
 gattaaatcc atacactatc tcaaagtgtg aacaattagt tgtgctatgg acagcccgat 300
 tataagcaaa ctcaacatga ggcaaacatg cttcccaaga tntaaggttt ttcttttaaaa 360
 cagtcctaag cagtgtacct aaagtcctat tgacta 396

<210> 15542
 <211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15542

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taataagcau ccagcggacn tttctatttc tttcttttc acctc aac ctcaacacat 120
taaaatatah aacaaaataa caagagatca guchaaaso aggaatatac aactcacctc 180
acttgctgct gctgcccac atttcaactct cacaacaaat aggaatcatg taccttcatg 240
gacggatcca cataaagctc taaggagatg attgctccca ttaagatatt ttttgtactt 300
aaatatattt aataaaaaaa ttactntcca aattgggcca tatgtctaatt tcaatcacc 360
gcacaccttt cttcagtga tntatgatgg ggacgtcact gcagtc 406

<210> 15543
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15543

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aaaagttatt gtcgtttgaa tttgctgagt gcttcaacat tcaatttcga gcgtctcgat 120
atattacggg actcaatcag acatccgagt aaaaagttat catcgtttga atttggtcag 180
agcttcaaca ttcaatttag agcgtctcat atattacggg actcaatcag acatccgagt 240
aaaaaggtat tgtcgctcga aaatcctcaa agcttcggta ttcaatttcg agcgtctcga 300
tatattatgg gactcaatta gacatccgag taaaaagtta ttggcgtttg aa 352

<210> 15544
<211> 358
<212> DNA
<213> Glycine max

<400> 15544

tgcattgagag gcttccttgg ggaggaagtg ttacaccctt ccaatagcaa agctcacccc 60
atgggaacac acaccctcc aatagctaag ctaccgccc cccaaaatac aaaaaaaaag 120
accctactac aaagactact caaatgccc tgaaatacaa ggctaaaacc ctatactact 180

agggtaccct taacttgtag ggtaggggtgt ccttaatttg taggggtaccc tacaaaccta 240
aaattgacca aaatacaagg ccataagat ggaaaaccta ttctaattt tacaaagata 300
agtaggtgca tacttagccc atggacccaa attctaccct aaggctcatg agaatcct 358

<210> 15545
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15545

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atgcaaacgc acgtatcttt ctatgcnaat aaattgttta ctaatgtaaa aagggtttaat 120
tactctgccc tccctgaact tttactaaat tctgtgatga tgtgcattnt aatatanitt 180
ttattcaggc tangcttgat tggacttaag aaccggttca atgttgatct attattatgt 240
aaaaccaatt ttaagattgc cagtatttan actaacaagc ataatttatt aaaattattt 300
taatcgattt gaaaattatc ttttggagtt acaaaattac ttattaaatt gctatagttt 360
cattttataa ttcatttntt aagacttaaa taatttgtaa gtcttgaact gtttgatgaa 420
atttaatat tctctggat 439

<210> 15546
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15546

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acaaatattg aacatcagtt acaagaggaa ccctcttccc tggcccagcg tgaccctgt 120
ccccatccct atccctcacc actaatnttt ttttctgtta catacgtgat tgggaacaga 180
tacatcggtta tatgatagca agctatgcat atcaaagctt gagtcacatt tgaggggtat 240
cccaatcaaa cctgcgctgt gaatagacct cataatcaat tggcctagta tcaacaacgt 300
aatcaactgt gtgaatgccc tncaaaagag ttggttgaaa actatcatta cttgaaggca 360
gtaatttata cagcactaat aattcaagag tgaatatagc 400

<210> 15547
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15517

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agcttaagct ccttcaactg ccccaaggcgc tcaactcttg aagaglatcc cggcgggacc 60
ttcacctgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctggggggca agtaaatttt cttcccatca gaccttggat gcaactgtgc tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccacccctcg tcttgccttg aatgttaagg 240
agcgtcccaa taacactgtc acaaacatth ttctccacat gcataacatc aatacaatgt 300
ctaactgcaa gatcacacca gtacggaaga tcaaaagagaa tggacctctt cttcatatgc 360
aactctgact tttatccttc ttttgngtct tcccaaatac agtggttcagg tgttgaacct 420
gctgatat 428
  
```

<210> 15548
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15548

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gcttgggtccc caacgctctg ttcaagcttt cccaaaatct agaggtgaat ctangatctc 60
tatcagatac tatactagat ggctcaccct ataactaac aatctcactt atatacaggg 120
aagtcaactt ctccaaggaa aatctgatat taataagaat gaagtcagca gacttgggtca 180
gtctatcaac aataacccaa atagaatcta aacctctagg ggttctaggt agtcctacca 240
caaaatccat ggaaatactg tctcacttcc actanggtat ctctaaagat agtaactttc 300
ctgaaagtct ctgatgttct atcttagcct tctgacagat taggcatgca tacacaaact 360
cactaacctc tctcttcata ttgnngccac caaacatcat ctttaaattc tgatacatct 420
tgt 423
  
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<210> 15549
 <211> 434

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15549

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atagaadcat tatgacatct ccagccacag gcccaatcat gggtggagga atcctctctcc 120
ccttagatgg ccgaatccct cacaaccagcc gccacaacaa ccttatcttc aaaaagtgtc 180
tggcccaagc agaccatacg ttctgtccacc aatccagcag caacaacagc aacagccgca 240
gaaacagcaa acagttgagg ctctctccgta accttccctt gaagaacttg tgaggcaaatt 300
gactatgcaa aacatgcagt ttcaacaaga gaccagagct tccattcaga gcttaactaa 360
tcagatggga caattggcta cacagttaaa tcaacaacag ttccagaatt ttgacaaatt 420
gccttctcaa tctg 434

<210> 15550
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15550

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgatgtg gatgatttct 120
ccagatttac ctgctcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aacacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaacg aataatatga 360
ctttgcaaga tgctgctatg gtcatgctnc atgccaanaga acttccctat aatctct 417

<210> 15551
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15551

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 ggccgagtca aaggccgagt tcgagtcctaa cgcgctgcaa ggccctgttg tctcggaac 120
 gagtcannga agcggcgagt acttctctccg agtcggaatc ggaaagccac cgagtcaage 180
 ctacgtgggt ctcgacaccg gaagcgacgt gagctggatc caatgcgcgc cgtgctccga 240
 atgctaccaa caatcggatc caatctctcg ccgattctcg tcgaattcgt cctctccgat 300
 ccgtgctgac gagccgcagt gttagtcaact gtacctctcc gagtgccgca acagcagctg 360
 cctctacgaa gtcttctacg gtgacggatt ctacacc 397

<210> 15552
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15552

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 gtatatcgag acgttaaata ttcagaatag aagctctgag caaaatctaa cgacaataac 120
 tttttactcg gatgtccgat tgtgtcctgt agtatatcaa gactctcgaa attcagaact 180
 gaagctctaa gcaaaatcaa atgacaaaaa aattttactc ggatgttcga atgaatcccg 240
 taatatatgg agacgctcgt atttgaaaac ggaagctctg agcaatatca aacgacaata 300
 actttntact cggatgtctg attgtgtccc atagtatata gagactctcg aaattcataa 360
 cagaagctct gagcaaaatc aaacgacaat anattttaac tcggatgttc gaatgtgtcc 420
 cgtagtatat ct 432

<210> 15553
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15553

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 catttgctgc ccaagtttca ttgtcttgca ggtgaagatc ctcataagca tcttaaggag 120
 ttccatattg tctattccac catgaaaccc cctgatgtcc aggaagataa tatctttcta 180

aaagcttttc ctcatctctt ggaggaagtg gtgaaagatt ggctgtacta ccttgctccc 240
 aggtccatta ccggctggga tgaccttaag aggggtgttct tagagaaatt cttccctgca 300
 tctaggacca ctgccatcag aaaatacatt tcaggcatca ggcaacttag tggagagagc 360
 ttgtatgagt actgngaaag attcaagaaa ttgtgtgcaa actgtttctca ccaact 415

<210> 15554
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 15554

agctttctgtc cctgagaaac tggttcccag aagacaacag ggagtgaaga ttgctgaaaa 60
 ccctagactt gcaacaagtt ctatggaagt agacacggag atggacaaga taatccgcag 120
 tattgtgagt agcattctga aagatgcttc tgtgctgat gctgagaaag atgttccaac 180
 atcgtccacc ccaagtgttt ctgtgcctga tgctgagaaa gatgttccaa catcctccgc 240
 tccaaatgct gaagccttcc cttcaccacag tgaagaggaa tcaacagatg aagaggatca 300
 agccgcagag gagacccttg caccacgggc accagaatct gttccagggtg acctcatcga 360
 cctggaagaa gtcgaatctg atg 383

<210> 15555
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15555

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 agaacagtgg atgtaattgc agaagacgac cttgntgatt cttgcaagcc tggagatcga 120
 gtggcaattg tggggatata taaggctcta gcaaggaaga ggtagtgtga atggagtatt 180
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 gaaacttgat tgactgattn tcatgtanga ctgttctcat agccaacaat gtttctcttc 300
 tcaacaaaga ggataatgca ccaatctaca gtgttgaaga tgtcaaaaac attaaagaga 360
 tagctactag agatgatgca tttgatctgc taagtgattc acttg 405

<210> 15556
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15556

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 agtgtgttag gtacttgttc ccaggttcaa caacattaac aactccalar tcaagattcc 120
 ttatatattc tcccatgctt ttacctccaa cgcattgata agcttgtata ttgatgaatg 180
 cccaatagcc aatataacct tctcagtttg tgaggccaat tcccttgta gtgacattgt 240
 taaagcatga aaccctgtca aaaattaaaa aacaaacacc ccatgtaaat acctagacaa 300
 aaaaatctaa natataacgc actcagtttag atgtgaagca cacacaacc tttaacaata 360
 cattcttaga atatgtttga atggagggaat ttagagagaa atagcacana tgat 414

<210> 15557
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15557

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 ctgtcgatta ttttgcattg cgatgaatga gtcagattcc gaagcattgc atccagaaaa 120
 cgaattatag aataaacgct ttcactgtac ggtccttatt caagagtctt tctaacaatg 180
 agtagtagta tattaaacat aattcactat aaacatattt tgactctcat tataattatc 240
 atgtaatgta atagaaaaaa actattccaa aataattatt attttaacat cttactataa 300
 tattaattat tctttccttt atataactta taatattaat gattgatagt aaaatctata 360
 aatanattaa taatgacaaa attaatattca t 391

<210> 15558
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15558

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120
ccagatttac ctgngtctac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc acgagtgacc 240
atggcagaga ggttgaaaac aacaggttta ctgaattctg cccatctgaa ggcctcattc 300
atgagttctc tgcagccatt gcaccacaac agaatggcat agttgagagg aaaaacagga 360
ctttgcaaga ggctgctagg gtcatgcttc atgccaaaga acttccttat 410

<210> 15559
<211> 411
<212> DNA
<213> Glycine max

<400> 15559
agcttcattg cctaataagg cagcttaca aagcaatctc caagagactc agcataagga 60
tgcacaggct aaagttgagt atgtgaaaag attgcatgac caagtgaagg cacaaattgc 120
aaagaagaat gaaagctatg ccaagaaagc taacaagaac aggaaggaaa tgatacttga 180
accaggtgat tgggtttggg tacacatgag gagggagagg ttccctaaac aaaggaagtc 240
caaacttcaa cctagagaag acagaccttt ccaagtccaa tcatgttttc ttattaatta 300
gtgaattatt taacactaat agggcttaca aattaagctc tgtgtagttc tcatgtgtgt 360
tataagctta tagcctttag gaatctgaga acacaacttg aaatgatata t 411

<210> 15560
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15560

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aaaaaagggtg tctgtcattc atctcaaact actgtttatg tatttttatg catgcaagca 120
ctcacgtgca catatataag tngttgacta gttattaatt ttaattaaaa cataaccata 180
tactataatt tcaattatctt attgtaaaac taaaataaaa ttatatatctt aaaaatattt 240
atttattata attataaata tataaaaact gtctatcaac ttgtggaatg tataaactac 300

aagttagtat attaataaag agaaaatata catataatat ataatctgag acatgatatt 360
 ttgtcaatga aaactaataa tataaaagta tgtgattttt tattggaata aaatatatag 420
 tttttaataa aattatat 438

<210> 15561
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15561

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 aaagtgattg tggtttgaat ttgctcaggg cttcggtatt ccatttcgag cgtctcgata 120
 tattacggga ctcaatcggg catccgagta aaaagttatt gttgtttgaa tttgctcaga 180
 gcttcggcat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagctat tgtagtttga atttgctcag ggctccagca ttccatttcg agcgtctcga 300
 tgtattacgg gactcaatca gacatccgag taaaaagtta tagtcgtttg aatttgctca 360
 gagcttcgac attcaatntc gagcgtttcg atatattacg ggactcactc agacatccga 420
 ctaaaaag 428

<210> 15562
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15562

ccctcgtaa tttgtatatt tttattcaat gacaaatfff atttatggta aagccgnnaa 60
 tcatgataat aattactttc tttaaaaaaa aactttgata ataattatct taaaaatcat 120
 ataaataatt atatgtaact aattgatagt gtaaaagcta ttaacctaac aatacatgct 180
 tattaactct taaaaattgg taaaactcgc tagaaaaccc aatcataatg gttgaaaaaa 240
 gacgaagaac taatattgaa taattggccg gcttcaatgg tttcttttca tttgttttta 300
 tcttttatga tatttaactc aataaaaaat actttgtaac tagaaaaagg ttaaagtca 360
 agttacaaaa ggctgtgtct gagaattacg tataaaatat tatcatttac catattatta 420

ttacgtagtt atcat

435

<210> 15563

<211> 457

<212> DNA

<213> Glycine max

<400> 15563

gaacttagaa actcagcttg aatctctcct ttgggtggac atgattctct atgttttcat 60

gggcgacaag catacaacaa ttacagtgag attatctgat gtatttaggc gcaatgcttc 120

cttgactagc tctccggcac attgctgtgg gtcacatgc cttcttaatc ctgggcgaac 180

aagactaact gcaacttggc tagacattac atcccaaadc ccatcacacc caatgatcaa 240

gaactcatca ccttcagtca atgtaaccag ccgaacatct ggctcagcaa taagagggga 300

tgcagcacca agtggaaatt tcaagtccca atccccaagg gctcgagtta ctgaaagata 360

accattgaga tatccatcat caatgaaccc acctaaetcc tccaccctcc tcttctctgg 420

tagataactt ggctgtgat cattagacat ctcaaca 457

<210> 15564

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15564

tgtacattca atttcgagcg ttccgatata ttacgggact tcttcggaca tccgagtaaa 60

aagtaattgt tgtttgaatt tgttcagagc ttcaacattc aatttcgagc ttttcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattc tcgtttgaat ttgctcaggg 180

cttctgtatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240

aaaatttatt ggtgtttgaa ttgctcaga gcttcaacat tcaatttcaa gcgttccgat 300

atattacggg actcaatcag acatccgagt aaaaagttat tgctgtttga atntgctcag 360

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatca gacatccgag 420

taaaaagta 429

<210> 15565

<211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15565

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aagccitttg cagtcctgca cttagaacat gcacclcact ctttcaaaat ggicctattc 120
attcttttctg ccaaaccatt ctgtttgtgga gtgtgagggga ctgtttttgtg cctttttgatg 180
cctatttttcc tgcaaaactc attgaactgc tctgaaacaa actccaggcc attgttagtt 240
cttaaaaactt ttaattttgt accaagtcca tttccaacaa gagtatgtca ttctctgaat 300
ttttgaaaag cttccgactt atttttcaaa acatacagcc atactcttct tgagaaatca 360
tctatgatgg tgagaaagta tgagcttcca ccatgagtat tcaactct 407
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<210> 15566
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 15566

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aagttgaaag ccttagagga aagaggtatg cctatgttgt tgtggatgat tactccagat 120
ttacctgtgt caactttatc agagaaaaat cagacacctt tgaagtattc aaggagttga 180
gtctaagact tcaaagagaa aaagactgtg tcatcaagag aatcaggagt gaccatggca 240
gagagtttga aaacagcagg ttactgaat tctgcacatc tgaaggcatc actcatgagt 300
tctctgcagc cattacacca caacagaatg gcatagttga gaggaaaaac aggactttgc 360
aagatgctgc tatggtcatt cttcatgcca aagaacttcc ctataatctc tgggctgaag 420
ccatgaacac agcatgctac a 441
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<210> 15567
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15567

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caccttaaac accttttgaa actccctcac caaaggata tcaactcagag gggttttgcc 120
tcaacactca tactagctaa gatcatgtat acttgtgcat cctccctcaa agatgcctca 180
acctgggttag cagacaaaaa catatcaatt tcaactcacac caaaagacaa cagattttctc 240
aaactagtgc cataaggcgt ggttggaaag caccctgctc ctccctgggc tcccatccat 300
ctgactcana ggtaaaacaa ccaaatcaaa caaaaactat ctatcagaaa ttaagatagg 360
acattgcaag cacacatcag atgttaaaac agaccact 399

<210> 15568
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15568

tgatgataaa agtgagaagt acgtgtgtgt gggttacgtc tcaatatcca gngggtacaa 60
gctctatagt ccaaattgta gaaagatcgt cataagtcgc gacgtggagt tcgacgaaga 120
agattgttgg gattggagtg ttcaagaaga taagtatgat tttcttcctt attttgaaga 180
agatgatgaa attgaacaac caatcataga ggaacatatt acaccacctg cctcaccgac 240
accaaggctg gatgaaacaa gttcaagtga gaggacaccg cgactaatga gcattaaaga 300
gatttatgag gtaacaaaaa acctaaacga cattaacctc ttttgtcttt tgggtgattgt 360
gagcctctat gctatcaaga agcgacggga aacataaagt ggaagacgcc atggacgaag 420
acatcaagtc aatcacgaag aatgat 446

<210> 15569
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15569

caccttctcc ttccccaacg cgggcgatca tcttagcgcc gaggtcgtaa accgtttcca 60
tctcggtcgt cttgagcgtc agcttcccg gcttcgcagc ggcgccagac accgcagggc 120
ggtcgatctg gacctcgacc acttcccctt caatgacttc ggcttcttcc ttgatgcgga 180

cgccgatggc cttgcggaag gcctgngtga gggcttccgg tttggacatt tocaatgaga 240
agatttcgct ggcagcgatc atggcaaaag gggtttcgag gccganggac ttggccatgc 300
ccatggcgat ggcggtcttg ccggtgccgg gctggcctgc taggaagacc gcgcggacgg 360
cgatcttgcc atctttaatc atcttga 387

<210> 15570
<211> 354
<212> DNA
<213> Glycine max

<400> 15570
gatcattttc ccctgccatt cattgatcaa atgcttgagc gcttggcaag tatgtctcat 60
tacaattttt ttatggtttt tctggttatt taaaaattca tattgtctct gaggatcaag 120
aaaacaccac attcacctat ccctttggca tttttgcta taggaggatg ccctttggc 180
tatgcaacgc ctctgttacc ttccaacggt gtatgcttag cattttcaat gatttttttag 240
agagttgcat agatgtgttt atggatgatt ttactgttta tggatcctct tttgatgcat 300
gtttggatag tctaaataga gttcttaata gatgcattga aactaacctc gtgc 354

<210> 15571
<211> 364
<212> DNA
<213> Glycine max

<400> 15571
atattgaaat gatgaatagt ttgtgatgtt tgtaactggt gtctagatat ggactagtac 60
actgcagcga acaattttga cagcaggtcc aattgttggg tttccaaagg ttagtgccat 120
ccttaagtca ggaaatatgg attgacaaaa gtatacatTA ttagtgctcc tgcacttact 180
atctatatgt tagatacaat ggcgcgcact tgatgagata aatgccggtg tgtgtgatgg 240
gaagacatat gaagaaatca agaagaacat gccagaggag tacgagtatg tcacaaactt 300
gtaatttgtc ttattttcag ttgaatgcta ctggtacatc agataaaaaa aaccagtgcg 360
tggt 364

<210> 15572
<211> 440
<212> DNA

<213> Glycine max

<400> 15572

ctaagctctt ctatTTTTTTT ggctggaaag ccaaaggggt ttattctttc agggaacagc 60
ttgaagactt gggaagaggt tgtagagaaa tttctgaaga agtactttct agagtccaag 120
ctacttgaaG gcaaggccct tttctctca tttcttact tcccaatgc tttctgagc 180
gaagcgettg agagattccg tagcttgctg tgaadaacac caactcalgg attctcrgag 240
ccgattcaat tgaacatttt catagatggg ttgagatcgc agttcaagca gttattggat 300
gcttctgttg gaggaaaaat tatattgaag acccatgaag aagcaatgaa acttattgaa 360
atatggcagc tagtgatcat gcgaatttgc gtgataggac tcatgtaccc acaaagagaa 420
gcctactgga gctttcttca 440

<210> 15573

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15573

ntgacttgag tcatcaagag attataaata tgtgaccatg tgtctgtgtn taaataatca 60
tcatcaatca tctttgaatc atctatcttt caatcttttt caacatcatc tctcaaacat 120
ctttcaatca atctttcaat atctttctac ataattttct gattcatttc tcttcatatt 180
tctaaaagtt ttttatcaac actttctctt ccaagaaaag ttctttgttc aaaaacttat 240
gctattcatc tttttcgttc tcttctccct ttgccaaaag aacgaaggac taattgcctt 300
aattcttttg tgtctctctt ctcccttaca aaagattcaa aggactaacc gcctgagaat 360
tctttcgatt cttctcttcc ccttaagcaa aatatttcaa aggactaacc gcctgagaat 420
tctttngatt cttctcttcc cctta 445

<210> 15574

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15574

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 aagacatctt taaattcctg caataagggg tgaacactag gagaaacata aatagttaac 120
 tgattagaat tatcactctc tctctcttgt gtatcactct tttcctcagg tgtatcactc 180
 ttctttttcg tattccattg tgggtgctca ctattttctt tctcttggtc aatttcgagc 240
 gtctcgctat attatccgac tgaatctgac gtcctgtgga aaagttatga ccatctgact 300
 ttctagcgag cttctgttgt tcaatttcga ggcgtctcgat atattatgcg cttgaatcgg 360
 acctnccagt gaaaatctat gaccatttga a 391

<210> 15575
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15575

cattgataat agaagctatg agcaaattca aacgacattt actttttact ccgatgtccg 60
 attgtgtgcc gtagtatatc gagactcccg taattgaaaa cagaagctcg tagcaaattc 120
 aaacgacaat aatattctac tcagatgtcc gattatgtcc cgtagtatat ccatacgctc 180
 gtaattgaaa acagaagctc gtagaaaatt caaacgacaa caactttcaa ctcagatgtc 240
 cgattgagtg ctctaataa tgcgagacgt tgaaattgaa agcagaagct cttagcatat 300
 tctaaggact ataacttata tctcggatgt ccgattgggt accataatat atcgagatgc 360
 tcgaaattga caatggaagc tcgtagcaaa tactaacgac cataacattn tactcggatg 420
 tccgattgtg acccgtaata ta 442

<210> 15576
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15576

atttagtaga tgaagatgaa tccatggtct tctcttggac tcctctaaga acaataacat 60
 cattgcttac actgaattgt tgggagttgg aagccatctt ctcaatcaaa ttcttagctt 120
 cagcaggggt catatcacca agagctccac cactggcagc atcaatcata ctcctctcca 180

tggtgctaag accctcatag aaatattgaa gaaggagttg ctcanaaatc tggtggtgag 240
gacagcatgc acacaatttc ttgaatcttt cccagtactc atacaggctt tctccactaa 300
gttgattgat acctgaaatg tcttttctga tggcagtggt cctagatgca aggaagaatt 360
tctccaagaa caccctctta aggtcatccc agctgaaaat ggacctgg 408

<210> 15577
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15577

agcttncctt cataccact tcatcaaagtg tcatgttaca acccctcacc gnccattaaa 60
cactgttgct caatctccac cgaaagggtgg catgccttac caaaaaccac cctataggga 120
gaaatcccca aagggtgtccg gtaagcgggc ctatgggcct atagagcatc cttaagtagc 180
ttgctccaat cctttntgtt gggctgcact agcttctgca acacttggtt tatctctcta 240
ttaaaaacct ccgcttgtcc attagtttat ggatgataag ctgcaacaat tgtatgaaca 300
acccatact tttggagcaa ggatgccaat gacttggttat agaagtggct cccttggtca 360
ctgataatgg ctctaggctg actacaacct gcaaaaagtt agatctcaca taatccacaa 420
caac 424

<210> 15578
<211> 268
<212> DNA
<213> Glycine max
<400> 15578

atattatgcg ctggaatcga acatccgtgt gaaaagtgat gaccatttga gtttctcgag 60
agcttccgtg gttcaattcc gagcgtctat acatattatg tgcccgaatc tgaccttctg 120
gtgaaaagat atgaccattt gaatttctcg agagcttccg acgttagatt tctagcgtcg 180
cgatatattg aattcctgaa tcggagctcc gtgtgaaaag ctttgaccat atgattttct 240
cgaaagctat cgtgggtcaat ttcgagcg 268

<210> 15579
<211> 315

<212> DNA
<213> Glycine max

<400> 15579

tagcttagct tatataatTTT caaagatgga agatactTTa acataatTTa tgcaggtatc 60
catcacaatc cagaagaaca ttgatgcttc tattaagat ctagaagttc aagttggaca 120
actgtaaaaa tagctatctg aacatggag tggatcttcc ctagcaacca cacaggctca 180
ccaatatgaa cattgtaatt taattacaac aaggtggggg actgtggttg gtttgaagga 240
taataatgag aaaaagaata aagaatgagt tgaaatgaat acgagataaa tgatgatgtg 300
gtgactactg aaaaa 315

<210> 15580
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15580

tataccttga gaggttacac ggagaggaag atagtgcgag canaaaatgg gtatgtcaca 60
cgcgaggtta cacagagaag aatagcacga gcatactagg tcgcgtatga cataatttaa 120
aatatatgtc caacatcgat ttccaatact aaactgatgt ttacaaaatg atggtaacgt 180
taacatcggc tttttccaat ataccgatgt taactagtca taacttatca tcggatctca 240
tataacctat gttagcgtac atcagttaac atcagttctt ctaaagccga tgttatcaaa 300
ttagagttaa caattggttg taccagaaac caatgttaac gtcaccttcg ttaacatcgg 360
atttttagaa atacccatgt taac 384

<210> 15581
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15581

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gtaaagatag agcctatggt acagagatac taaacggctg tggactacat getgatattg 120
ggatacctgt tcttatagag cgtagcctcg taaaaattga aaagaacaac aaacttggaa 180

tgcacccctt acttcaacaa atgggaagag agataattcg tggaagttca ataaaggaac 240
 ttgggaagcg aagtcgattg tggtttcatg aggatgtact tgatgtattg attgtcggtt 300
 ttgtagagga aattattaaa aacagaggag agaagagaga caatacgtat gtggaggaaa 360
 tagaattatt ttattctaatt tcaaattggt ctcatgtagcg atacaataaa taqcanaaga 420
 taaactaatt agataac 437

<210> 15582
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15582

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 aataatacaa cactgtaaag tatatgaaat atcaaattat taaattggag gatattaatg 120
 aactaaatat tataaaaaata aattattgaa acgatggaat tattgttttt ttaaacaatgt 180
 attatgaatn taaatgctaa taaaaaaata atagggatat atttgaattt taattatctt 240
 aaaataataa ctagttttta tgtaactgat aataaaaaat ggtctttctt ttagtgtatc 300
 ctatacaaat ctaaaataat tggataataa cactatttgc taacaaatat catctattaa 360
 taaaat 366

<210> 15583
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15583

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 tcatgcaacg actatgatga ggacaaaaat gtgaagcttg ctgccacgga gtatttcgac 120
 tatgctcttg tgtggtggaa caagctacaa aaggagagag caagatatga agagccaatg 180
 gttgatacgt ggacagagat gaaaaagatc atgaggaagc ggtatgtgcc ggctagttac 240
 tcaagggact tgaaattcaa gctccataaa ctaacaccag gcaacaaggg ggttgaggag 300
 tattcaagga aatggatgtg ctcatgattc aagcaaagat tgtagaagat gacgagggaa 360

ctatggctcg atttcttaat ggtttgacta atgatattcg tgatattgtc gagctgcaag 420
agtttgattga atggatgatt tgctcaca 448

<210> 15584
<211> 352
<212> DNA
<213> Glycine max

<400> 15584

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ccgttgatca ttttcgagtg tcactatgtg tgatgcgcca aaagaggaca ttcaagctat 120
atattatgac catttgaagc tcaaaagagc tatcgtagat caattctgag cgcgtagtaa 180
tgggattatg cctgaatctg acgttgatat gaaatgctat gaccatgtga agccgtaacc 240
accttgagga gcacagtata gggcctaact agcatatatg cgcccaaatac ggacattcgc 300
ctgtggaaaa tgacgctaag aatgtattga aagctttcaa tgtgggattt ct 352

<210> 15585
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15585

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tccaatcttt aatggagagg gttaccacta ctggaaaacc cgaatgcaaa tttttattga 120
ggcaatagat ctaaataattt gggaagccat agaaataggg ctttatatac ccaccacagt 180
ggaaagagtt tcaatagatg gtagttcatc aagtgaagc ataactatag aaaaacctaa 240
agatagatgg tctgaagagg atagaaaacg agtacaatac aacttataag ccaaaaatat 300
aataacatct gccctgngaa tggatgaata tttcanggtt tcaaattgta agagtgttaa 360
ggaaatgtgg gacactcttc gattaacaca tgaaggaact acggatgtta aaagatctan 420
gataaatgca ctaactcatg agtatg 446

<210> 15586
<211> 398
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15586

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tattgactta agctttttgc attctgtcag gtgcaagatt gggtgtatac agatcctgaa 120
gatgccaatg ccacagagtt tcaagagcgt ctagatcagc tcaagcgtg tggagatccc 180
aattttctca ggtatgttat attcagtata actattaatt tctttctgca tgcataatntg 240
tggtanagtt tgttctgaat tggtaacatt tgtttccgtt aaaagactta cagctcggcc 300
agcagcagtg gcatgctaata aatacattgt gagttgaaca ggtatcataa caatcataca 360
tgtaagtggg cttagtgttt tattttcttat gtcttttg 398

<210> 15587

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15587

agcttgactc ttaatnattt gtatnggnng gatgtngaatt tctgggtgtt cctgggtgcgg 60
agatgatggg acaacgggtg aaccaggagc ggcatttctt ttgggtgatga agccatggag 120
aaacagagcg tttggaatga tttcatacat ctcagaaaac tattgggaaa tgctggaaaa 180
aacacgaatg ccaagcacat ataaatttga atgaagaatg taaaggggagc tgtgaagcaa 240
cggtcgaatt tgctttgtgg tgaacgtgct attaattgta agtgattc 288

<210> 15588

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15588

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taggtgagat gcacgaccta agaagcatgg caggccgaac gggtcaaaaa ttaaaatgaa 120
gaatgttggg gatgttggtg atgaagtga tggggctggg gagattacag gacctaatat 180
acatgatcaa ccaaaagggt ccccaaagat gaagaagaat gctttgaaag ttcataatga 240

agttgttggt gttggtgata tcacaggact taagaaacgt ggtcgaccaa aatgttcaat 300
aaagaaacag ggtactgttg tgtacgcttt caataatgaa gtgccatgtg agattgcata 360
caagatctgg aaaatataaa tgctgacaat ctgtgtcaaa agtttagatg atttgcaagc 420
ctaatactaa t 431

<210> 15589
<211> 339
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15589

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actgatagaa cttgcctgag atgtcctaag tgatcatcta ggctcctact gtacactaaa 120
atatcatcaa aataaacaac taagaatcta cctatgaaat cccttaagac atgatgcata 180
agcctcatan aggtgttttg tgcattagtg agcccaatag gcatcactag ccattcatac 240
aaaccaaact tggctctgaa agcgggttatc cactcatcac cctttttcat tctgatttgg 300
tgatacccaa ctttaagatc aattcttgaa aacatattg 339

<210> 15590
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15590

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aggggggatag cgctcacatt tttcggatta tgcacagttt gtgaaggcaa tttgtcagaa 120
ttttgggatt gagctcggtt catctgagta gccatctgcc ccatctaatt tgtcagactc 180
tgaatgaagg ctcttgtctc tagctgaaat tgcataattt ggatgggtcat ttgcctcact 240
aactcctcta atgaagggtg agacggggcc atagtttctc gtagtctttg ttgttggttc 300
tgcattggag gatgatcata tggcctgctt ggaccaacag cattctggat aagagggata 360
agttgttggt gttgctgttg tggttgtgga g 391

<210> 15591
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15591

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 atatcttaag aaaggggggg ttgcatcaaa atattcgaag ctcttccccc caatcaaaa 120
 tctatcttac tntttactta agttatgaaa ttccttaatg acaatcttct taaatattaa 180
 ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaacgga 240
 agagaaaatg caaactcatg tttatacttg gtcggccaca cccttggtcc ta 292

<210> 15592
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15592

tctgcaaggg tcatgactac tgtaggagac atgtttntct tttcttaatn cttttaatat 60
 tngccttctt tcttcttccc ttatttggtc cctctcacct tgatttatcc tacctctctt 120
 tcccttttct ttctttctag ttntcctttc cataacttga gggaactcaa ctcatctaag 180
 attctagaga gagaaagtcc ttatgactag taccctcacc attaacacta gatgaaagat 240
 gactcctatt ggttcctaag ttgtggttct ttcttgctgg gggtttgcaa aaggtaaaaag 300
 ctagggttta aaagaactca agataagcgt gataatcaag aagaaagtat tatgtaataa 360
 caagataaac taggtgtgac tattaaagaa aatatgctat g 401

<210> 15593
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15593

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 tttactggac taataaattt gctgcccaag tttcatggtc ttgcagatga agatcctcat 120

aagcatctta aggagttcca tattgtctat tctccatga aacccccctga tggttcaggaa 180
gatcatatct ttctaaaggc ttttctcat tctctggagg gagtggcaaa agattgggtn 240
tattaccttg ctcccaggtc cattaccagc tgggatgacc ttaagagggt gttcttggaa 300
aaaagtttcc ctacatctan gaccactacc atcacgaaag acattntcag gcatcagaca 360
acttgggga gagagcttct atgagtactg nraaagattc agaatattgt g-ccccggt 420
tctcaccac cagattcttg agcaactcct tctacaatat tctca 465

<210> 15594
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15594

agttggcttg ttgtttgca tcggggaaca atttactgt aaaagtgggt cccaattgga 60
ttcctaattt tcaacttacc tatttgaag tgacatcatg gcagttaggt cccagctttc 120
cattgtggat tcagtcacaa aaccaacttc attatgttgg actatctaac acgngatttn 180
tcgattctat tcccacacag atgtgggaag cactntctca ggttttgtat ttaaacctct 240
ctcgtaatca tatccatggg gagattggga ctacattaaa gaatccaata tctatcccaa 300
ctattgatct aagctcanat cacttgtgtg gtaaattacc ctatctttca agtgggtgtg 360
tcggttagat ctttcaagca attcattctt tgaatccatg aatga 405

<210> 15595
<211> 319
<212> DNA
<213> Glycine max
<400> 15595

atgaacccta cctaataata aacactaacc taaccctacg cttaacacca aaccctagac 60
ccttaaccca aaattctaata cctaaccct taacctctga attctaatacc ctaaacccta 120
aactctgcat tctaaccct aaaccctaaa ctctaacca caagggttag acaataaacc 180
ctacatatta aaccataatc ccttaaccct aaaatttaaa ccattaaccc ttaaccctac 240
cttttataacc ctttaaccct aaatataaaa aataaaccct aaaaaataaa tcctaaattc 300
taaaccctaa acccttaac 319

<210> 15596
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15596

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 gaaccatgaa atnntgtacc tgttgcaaag ggtctgtggt ttgtgctcct ctgctgacca 120
 ccatacagac ctttgcctt ccatgcagca acctggagca attgagcagc ccgaagctta 180
 tgctgctaata atttacaata gacctctca acctcagcag caagatcaac cacagcaaaa 240
 taattatgac ctctccagca acagatacaa ccttggatgg aggaatcacc ctaatctcaa 300
 atggtctagc cctcagcaac aacaacagca gcttgcctt tccttcana atggtgctgg 360
 cccaagcaga ccatacattc ctccaccaat ccaacaacag caacagcccc agaaacaacc 420

<210> 15597
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15597

tcacanaagt ttatatggct tgaaacatgc atcgatgtag tggtaacaaga agtttaatga 60
 gtttatgagc aactcaggat tcanaagatg tgacatggac cattgctact atgttgagaa 120
 atatactaata agttatgtta tccttgtcgt gtatgttgat gacatgttga ttacaggatc 180
 tagtatgata gaaattaata gtttgaagca atagttggca gaaaactttg aaatgaagga 240
 tcttgggtcca gctatacaaa tccttggat gagaattctt agaaacagat cagaaggaat 300
 tttgaagttg tctcaggaga aatatatata caag 334

<210> 15598
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15598

ttgatccaa ttcaaacgac aataactttt tactcggatg tctgattgac tctcgtcaca 60
 tatcgagaca ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataacttt 120
 ttacttggat gtctgattga ggcccgtaat atactgaaat gctcgaaatt gaatgttgaa 180
 gctcctagca aattcaaacg acaatattctt ttactcgga tgtctgattg aggcccgtaa 240
 tctctcagc cgtcggaac tgaacgcca accctcgcc ,aattcagac gactatgac 300
 tttactcag atgctcgata gaggctcgta atatctcgag acgctccaa tgaatgung 360
 aagctctgag ctaattcaaa cgacaacaac ttttactcg g 401

<210> 15599
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15599

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 atttattgtc gtttggattg gctcagagat tcaacattca atttcgagcg tctcaatata 120
 ttacgggact cattcagaca tccgagtaaa aagttattgt cgtttgaatt tgctcagagg 180
 ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac atccgagtaa 240
 aaagatattg tcgctgaat tggctcagat cttcaacatt caatttcgag cgtctcgata 300
 tatgacggga ctcaatcaga catccgagta aaagttattg tcgtttgaat tgctcanagc 360
 tcaacattca atttgagcgt ctcg 384

<210> 15600
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15600

gcgatgcatt gtcttctatt ttctcaatt nntgaacngt nntcgatga tatnnntagc 60
 gcgatntcat gatcgagacc atttccaatg ctaaaaaggt tatttggtgc gtttggaat 120
 ttctactga gcccttcggt ttgtcaattn ntggagccat cnntcgatat attacangga 180
 aactgaaccg gacatttcg tgtataaagt tattggtcat nnttaaattt tcttagaagc 240

ttcggatcta aattttgagc gtctcgatat attacgggac tcaatcagac atccgagtca 300
aaagttattt tcgtttgaat ttgatacgag cttccgtatt caatttggag catctctcga 360
taaattatga cactctgtcg ggcacccgag taaaaactta ttggcgtag aattttctaa 420
gaagtttcat tttcatattg gagcgtctcg atataatag 460

<210> 15601
<211> 411
<212> DNA
<213> Glycine max

<400> 15601

atatggagca tctcgatata ttatgtgtac tcttccggac attcgagaca aaagtgattg 60
tcgttagaat ttggtacgag ctttcgtttt caaattggag catctggata tattacagga 120
ctctgtcga catctgagta aaaagttatt gtcctctgaa ttgctacga gcatccattt 180
tcaatatgga acgtctcgat atattatggg actcaatcga acatccgtgt ataaagttat 240
tctcgattga taatgctcag agcttctgat ctgaattttg agcgtgtaca tatattacga 300
gactcaatag aacatccgag taaaaagtta ttgttgtttg aatttgctac gaacttacat 360
tatgaatgtg cggtgctcga atatattacg ggactcaatc ggacatccaa g 411

<210> 15602
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15602

ttcttatgtt ctcaatttca agcatcttga tatattacag gacacaatcg gacatccgag 60
taaaaagtta tagtcatttg aatttgctca gagcttctat tttcaatttc gagcgtcacg 120
atatattaca agactcaatc agacatccga gtaaaacggt attgctgttt gaattatctc 180
anagcttatg ttctcaatnt caagcgtctt gatatattac aggactcaac cggacattcg 240
acttaaanag taatgtcgtt agaatctgct acgagcttcc gttttcaatt acgagcgtct 300
agatatatta cgggac 316

<210> 15603
<211> 398

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15603

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tttactcnat gtccgaagag tcccgtatat atcgagattt ctcaaattga aaatagtagc 60
tccagcaga tccaaagaa atcaact tn tactcggaag tctgattgtg tcccgtagta 120
tctcgtgacg ctcgaaattg aaaacataag gctcgagcaa attcgaacgt caataacttc 180
ttactcagat gtccaattga gtcccgtaat atatcgagat gtcctcaaatt gaaaatagta 240
ggtccttcca aattcaaacc ataataacgt tntactcgga tgtctgattg agtcccgtac 300
tatatcgaga cgctcgaaat tgaaaaaaga tgctctgagc aaattcaaac gacaataacg 360
gtttactcag atgtccgatc cagtgtgtga atatatcg 398
```

<210> 15604
<211> 354
<212> DNA
<213> Glycine max

<400> 15604

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gacacataaa tactcagctt ttagttttaga tgatgcagat gatttgtaga tacctctatg 60
ctctcctcta atgactatag catcatttct ggtgctaaac tggtgggagt tggaagccat 120
cttctcaatt aaatttttgg cttcagtagg agtcatgtct ctaaaggctc caccactggc 180
agcatctatc atacttctct ccatattact gagtccttca taaaaatatt ggagaagaag 240
ctgctccgaa atctgatggt gagggcaact ggcacataat tttttaaatc tctcccagta 300
ttcgtatagg ctctctccac tgagttgtct aatacttgag atatccttcc tgat 354
```

<210> 15605
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15605

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tttcttatgt ttaangaagt aagatgggng ctcgagatgc atntaaacct tatctcaacc 60
ggacagcttg atgaagttgg gatgatatac cagttcggtg ctggtagatg gaagctatat 120
agaggaagca tggtcattgc tcaaggtaag aaggaatgct cctggtagat cgtgcaagga 180
```

aagatatgca tatggaagat gaatgttgct caagatacaa ccaaagaatt atgacacaag 240
 agatnngntc acatgagtga gaaacgtttg gagtttctaa cataggatca ctttccaaac 300
 ataaa 305

<210> 15606
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15606

tttctntggt tcaggnattc atgtnnccatc taggcctttt gagtatgtcc attttgattt 60
 atgngaccca tctagaggaa aaactcatgg tggaagctca tactntctca ccatcataga 120
 tgatttctcc agaagagtat gattgtatgt ttigaaaaat aagtcagaat cttttcaaaa 180
 attcagagaa tggcatactc ttattggaaa tcaacttggt acaaaaattaa aagttttaag 240
 gactgacaat ggcttggagt ttgtttcaga gcagttcaat gagtnttgca ggaaaatagg 300
 catcanaagg cacaaaacag tccctcacac accacaacag aa 342

<210> 15607
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15607

agctacttct tctaagttac catgnagaaa agccgnnngt acatccagtt gatgtaattc 60
 caagttaaaa taagcaacta atgccattat gatgcgaaag gaatctttca tggatacagg 120
 agataagggt tctttgtagt caactctatc ccttcgagcg aatcctttgg caccaatcat 180
 gtcttgtgtc tctcaatgtt acctaataa tcttcttgg tatcgaaaat acatttacat 240
 acaatacgtt ttatcccatt aggacatagc actagatccc atactgtatt atttccata 300
 gattccatat catctttca 319

<210> 15608
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15608

agcttgctct tgaggatgta aggatatttg cagctaata acaactttct taactatttg 60
 tcttcgggat ttactggtt tttctttata tgtaaatata aataatataa ggctatggct 120
 tatggacttg gtcctcttc cccctaaada tcttcggagt aagtttcgac ctgtttta 180
 cgcgataacc tcataccatt tatattttaca tattagcaaa aagaaatctg galacaaacc 240
 atcaatcttc ttccactggg agcaatcagc cggatgacga accattccat cagaaatcct 300
 tccatttgca tgccatgta ggtgttttgc gtcgtcctcg ttagcaaana gacgcttaaa 360
 ccttggaatg attggaagat accac 385

<210> 15609
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15609

ctcagcttgt atttgtntat ttaatccctg gaacatactc cattgttata atctgcattg 60
 gaaacataga taatagataa ataagttcag acataaaatg gaaaatatgt gcattactac 120
 atttggcata ataagagcca tgaagggttaa acctgtggtg tggataatc ccagtagatt 180
 gtaggaactt tcacataatc catgttctta aagttacttg caaacaattc tgcattagca 240
 gcctccttgg tgtaatcaat ctctgaaaa ttattaatcc atgttgcagt aacaggatcg 300
 gagaatgtta tttgctgaga acacgtgcat acatcatacc aaaacaacag attcacaact 360
 caagcaggaa ctgaaacagg aatgaccact cttatgtgtg atgatcttaa gcccatattt 420
 gtattgtgta gatggttttc ttacatcaag ttttctata cataaac 467

<210> 15610
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15610

agcttatatt ctccaatgta cagattataa agcaagttcc acatgatata tgcataaaaa 60

acaaagataa cagaaattaa aattgggttt cctcccagga agcgcttctt taacgtcatt 120
 agctngacac atttacctga atgggtgata tcaaataaac agtggtatgt gccctttcan 180
 attcttcacc atggtacaat tttaacctct agccatttac taccatgtt ctgtcaggat 240
 tctgagattg tgggtcatat agctctattg caccataaga atcaaatttc ttgataacaa 300
 agggctcaga ccatntggac ttcaacttac caagaataa tttcactctt gcatcgaat 360
 gtagtacctg ttgtcccggn ttgaagtctt tcttcaacaa atttttgtca tg 412

<210> 15611
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15611

ttctngactt tcaacccttc ttaaagtcct cattgctcat caatttcttg ccttggtgcta 60
 gtgataacaa gttcagcagc atctagggaa agctcttctg cttctattct cctcattatc 120
 ttatatgttg aattgatatc ctccctcgat tgacgcctt gcttaagaag ctgttctagc 180
 ttgtttcttc caagtgaatg accagtgagc accattggca cattcaaggc acctgaaaga 240
 agagcagcac tatctccagc atcagcataa tgtccatgaa taacgtgtgg ccacactggt 300
 ttccccccgc taacttggtc acccaatact tatgacatat ngagaatgtg agctaaagcc 360
 ccacttaciaa attcttgaat atggggccaa agaagttctt tctgtagata 410

<210> 15612
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15612

ggcggtgcttt cttctctttt tcctcttttc caancgcgct agcagcggtt tagctcctgg 60
 aatgtacatc tctgtaagct tcttcagata cccaattgct ccgtatgaaa tcacagttta 120
 cttacatttc ttacttggag aaagtgatcc aaggcaagaa actgcatact tttttgcagt 180
 gttctggggg cttggatcaa gcaactggac catatttggc acacttttat cattcttctt 240
 aacctctctc cgattctggg acagaaccat tacgcttgaa ttcgcttgag cagcgacctc 300

tctagcatta tttgctgtat ccttaagcat ctatataata taagggatgc caccggctac 360
 accaactatc tttttcatct ccattgagct gcaaacact 399

<210> 15613
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 15613

caattcaaat ggtcataacg tttcactctg atgtcttatt ctagcgcata atatatcgag 60
 acgctcgaaa ttgaacaatg gaagctcttg agcaattcca atggtcataa cttttaactc 120
 ggagggtccga ttcaggcgca taatatgtcg agacgttcga aatagaacaa tgctagctct 180
 tgagcaattc aaattgtcat aactgttcac tcggagggtca gattcacgca cataatatat 240
 cgagacgctc gaaattgaac aatggaagct cttagagcaat tcggatgggc ataactatbt 300
 cactcggacg tgcgattaag ggcataata tatcgcgacg ctcgaaattg aacaatggat 360
 gctcttgaac aatacagatg gtcctaactt ttcactcgga tgtaccgttc acgcacataa 420
 tagatcga 428

<210> 15614
 <211> 159
 <212> DNA
 <213> Glycine max

<400> 15614

ccatgtatcc aaagcccgtg ctaaagcata caactcctta tcataagttg aatagttcag 60
 ggtaagacca cttaactttt cactaaaata agcaattgga tggccttctt gcatcaacac 120
 agccccaatc ccaacatttg aagcatcaca cttaatttc 159

<210> 15615
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15615

atgcaagctc gtttatttga ttaaataatt ctcttttatg gtaaacatta taqaaaatttt 60
 caatatacgt aatacgttaa atatatagca taaaccaaag agtcacccta attccatgaa 120

cacatacaaa tgcaagatag tggacctaga tgatttatca aaggggtata ttagaagcat 180
 gtgtaagtaa ctatgtacaa gaaattttct taaaatgcaa aacatgtatc atagtaagat 240
 gatgtatcaa agcataatat gtatattaga gcaaaaagat tgacatgaat gaaaatgcat 300
 canatgtata aaccaattat aacaagaacc aattttttcc atactattnt tttgtcatca 360
 aactaaaagg aacgagtnic atcattgita aaatgaacaa aa 402

<210> 15616
 <211> 397
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15616

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 agtgatcatg gaggtgaatt tcaaaatgag tcttttgana acttttgtga agaaaatgga 120
 attcaccata attttcaacc ccaagaacac ctcaatagaa tggcattatg gagaggaaaa 180
 atagatccct tgaagaaagt gcaagaaccc ttctaaacga aaccagggtg cctaagtact 240
 tttgggcaga tgttgtacat actgtttgtt acaccttgaa aaaagtactt attagacctt 300
 ttctgaagaa gactccttat gaattgtata aaggaagaga accaaacact ttacacctga 360
 gagtttttgg ttgtaagtgt ttcgttttaa caatggt 397

<210> 15617
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15617

tcaacgtggt aaggcttggt aatttatcca cttttagtta atttttatta gaatattaat 60
 cacacatctt tatttttaaaa gaacttaaaa aagggttgga gcaatttggt ggcccaaat 120
 aacaatatac aagtataggt attaaactct tatgagaaaa aaaatttatg cactgattga 180
 tatttacagt ataataagtt ttatacaatc attcaattac aatcaatcat gtataataga 240
 ttntttgatt tttaaaataa ttataaagta attcaaacga taattntgtg ttttaactaat 300
 aatataaaat tgttttacat tatcaatgta taggtattaa agtctaaaag ataaaataaa 360

gattgaatat gtgcatcttg agaaataatg agtttttaat aattatgggtt attttgactg 420
cataattatg aattactata 440

<210> 15618
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15618

tgccttgccc cttgatatat ttgaaggact catggtcact attaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180
cttcttgcac caacacagcc ccaatcccaa catttgaagc atcacactta atttcaaaag 240
atttttgana gtttggcaac gaaagtatgg gggcattagt tagcttttgc ttaagaacat 300
tgaaagcttc ttcttgtgtc tctccccatt tganaccaac attnttcttg agcacttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaa 409

<210> 15619
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15619

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gaggtgactt tgagcgtttg tntatggagg agtccgagtc attttctgat tttttttctc 120
gagtattgcc cgtaatcaat caacttaaaa gaaatgggtga agatgtngat gaagtgaagg 180
tcatggaaaa aatacttcga acttttatatc caagttttgc cttcattggt accaacattg 240
aagaaaacaa ggatttaaag accatgacta ttgagcaact catgggttcc ttacaagcat 300
acgaagaaaa acaaaaaga 318

<210> 15620
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 15620

ttctntgtta taaactatgt gcggcaaaac ttcattacta ttattcagta tatacaaag 60
 agcttgttgc aattcttcta gagttggagt gataacatgc aatcncctta tacctttacc 120
 acttctctcc cgtctcaggc ggtctctcag cttctcctca gggtctggtt ttctctctga 180
 cttagaaca aactcaatag ctctctctgc gacttacctt tcaataatag atgcttcaga 240
 acagtgtaga ttctntatat acctttntaa gatcttcatg tatcactcaa tcgggtacat 300
 ccaccgcann ataatggaac cgcaacattt aatttcctc actagatgaa caattaagtg 360
 aaccatgatg tcaaanaatt aaggaaaata catctccaaa tgacacaag 409

<210> 15621
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15621

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 taaaaataac caaatacctt atttaaaata tatgtatacc ttanacatgt gtaatttgtt 120
 ggatcattga ttatgtgttt atatattcaa tagatattaa ctctccttta atgtatgttt 180
 tttgtcaaca tgtttttctt ggcttcgggt taattntatt attcttcana aaagagtgtc 240
 cgggactttt tgacaaanaa atggatgttn tttatataaa aaanaacaat attctcaaag 300
 agtgtagttt ggaaacaatn tacaagacat atnttttgtc acataatatg tangagaaac 360
 caatctcggg gtcactttat atttgtttta tgtc 394

<210> 15622
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15622

tatcttgtgt tttggtacct acatcatctt ctttctgctg ttgctacttt gagttccatg 60
 atgtggatgg ccatgtagat gatagcaaaa gggctntatg tgaccatact tgccacagta 120

gtgacacctc cacttctttc ttttgctcct tttctgctgc gttccatgat gtcgagaccg 180
atgttgtagc atcgtggctc cagtgtgtt tttggcagga acaaattctg tcatgggtgt 240
tctgccagca gacttaggat taaatccaag tcctctctgg tttccaacat tctttccaag 300
ctgcagcacc tcatcaagcg tatctgagcc tttattcagc atctttattg attctgtcat 360
gttttccagt tttaggttca gaaccccccac tttctctta agctcagag

<210> 15623
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15623

cactcaagct tgcccaggtc gagaaggagc ttgtccgaac aatttagctt tatcaaagan 60
aacatgtggg ccatcatcga ccaatacaag gaaaagttaa gcctagcggg aactcacaaa 120
caaaggctag aggacgagta cgtgaaggta taagtcctgc aagtggaaag ggaagcaagg 180
gaaagggtag tcgattcatt acacagagaa gcaatgatgt ggatggatag gttctccttt 240
actgaaattc tgatactgtg gacagatgtc gtacaggatg tcacgacatc gcgcttcaga 300
acatgcagct agtatatgac cgtatgaaca gaataaaca gtaaataaca caagagaatt 360
gtaaccagct tcggtgaaac gtacctacat ctg 393

<210> 15624
<211> 388
<212> DNA
<213> Glycine max
<400> 15624

agcttcatca ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacatccgag 60
taaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagggctctg 120
atatattgag ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatcct 240
agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgtct 300
cgatatacta cgggacctca tcagacatcc gagtaaaacg tattgtcgtt tgaatggctc 360
agacgtcaac attcaattcg agcgtctc 388

<210> 15625
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 15625

tgagccattc agacgacaat aacgttact ccgatgtctt attgagtcctt ttrataatc 60
 gagacgctcg aaattgaatg ttgaagctct gagccaattc aaacgacaat aactttttac 120
 tcggatgtct gattgagtcg cgtaatatat cgagaccctc gaaattgaat gttgaagctc 180
 tgagccaatt caaacgacaa taacgttgta ctggatgtc tgattgagtc ccgcaatata 240
 tcgagacact cgacattgaa tgttgaatct ctgagccaat tcaaacgaca ataacttttt 300
 actcggatgt ct 312

<210> 15626
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15626

tttcaganaa tattctcaac agtcacatct ttttatgtgg ttcttgaatg gctatcaaag 60
 gcctatatat atgtgacttg agacacgaat ttgctaagag tntttcagaa caaaaaggctc 120
 ttatcctctt ataaagaaaa atcgttttat cctcttacia attccttggc caaattactt 180
 gtgattcaat aaggaattat ttgagtgtc aaattgttca atctatctct ttcaagagag 240
 atttcttctt ctcttcttct tcattctgan nagggattaa gagaccgang gtctcttgtt 300
 gtgaaataat tc 312

<210> 15627
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 15627

accattaaaa aaagctgtcc ctccatccat ctgttgcaac tcaagggtcaa aatgagcaac 60
 taatgccaaag attatacgaa gagaatcttt cttagatact ggagagaaag tctctttata 120

atctattcct tccttttagag tagatccctt acaacaagac ttgccttgta tctctcaatg 180
 ttagctaatzg aatcctttttt ggtcttatag acccatttac atccaatggc cttagcccca 240
 ttatgcgact ctaca 255

<210> 15628
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15628

ggagatgaaa aaaatcatga ggaagcggta tgtgccggct agttactcaa gggacttgaa 60
 attcaagctc caaaaactaa cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat 120
 ggatgtgctc atgattcaag cacatattga agaagatgag gaggttaacta tggctcgatn 180
 tcttaatggt ttgactaatg atatccgtga tattgttgag ctgcaagagt ttgttgaaat 240
 ggat 244

<210> 15629
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15629

tgcattcagg aacctaacaa acaatacaag atgcttcact tccagtcctg ctccaatgaa 60
 taaatcttta taagtaaaac atgtatgttt attctaactc accccatctt ggagcttgtc 120
 ctctacagca gtggcaccaa gaagaattag gttctttctca atcttatctg atacttcctc 180
 aatcattata tcctgatcag cactgactac attcttggcc ctagagaatt tactatcaaa 240
 ctcttgtat tcttctgcat caagttcacg ataggccagt ataaaggttc tcaaaccgcg 300
 atcagcatac tcatgcacat ngctcatggt tttctcttca aactccttcc tattcttggc 360
 aagcctttca aacatgggtgc tgcataaaaa catcactc 398

<210> 15630
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15630

agcttgttgg taaactatat gccttgttta acccggtaac ccaactggcc atgaatcaaa 60
aatctgcacc tgtcgctaga ctctantggt tatgctcttc tgacgaccac cacacagacc 120
tttgcccttg tgtgcaacaa tctgaagcaa ttgagcagcc ctaagcttat gctacaaaaca 180
tctacagtta acctctctcaa cctcagtagc aaaaatcagcc acaacagaac aattatgacc 240
tctccagcaa caggtacaat ctgcggtgga ggaatcatac caatcttaaa tggtcgagta 300
cttcacaaca gtagctacaa caccagcctt atttgtcaaa tgttgctggc ccaagttgac 360
catacgttca ctcaccgatc cagcagtaac aacaacaaca gca 403

<210> 15631
<211> 392
<212> DNA
<213> Glycine max

<400> 15631

gctttatgta aactgatgcc ttggtaaccc ggaacccaac tgccatgaat aaaaattgcc 60
ctgtcgctag ctctatggtt atgctcctct gccgacacca cacagacctt tgccttgtgt 120
gcaacaatct gaagcaattg agcagcctaa agcttatgct acaaacatct acagtagacc 180
tcctcaacct cagtagcaaa atcagccaca acagaacaat tatgacctct ccagcaacag 240
gtacaatctc ggggtggagga atcataccaa tcttagatgg tcgagtcctt cacaacagta 300
gcaacaacac cagccctatt ttcaaaatgt tgctggccca agtagaccat acgttccttc 360
accaatccag cagtaacaac aacaacagca gc 392

<210> 15632
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15632

tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaaca taataacgtt 60
ttactcggat gtctgattga ctcccgtaat ataacgagac gctcgaaatt gaatgttgaa 120
gctctgagcc aattgaaacg acaataactn ttactcgga tgtctgattg agtcccatca 180

tatatcgaga cgctcgaaat tgaatgttga agctctgagc caattcaaac gacaataaac 240
 tttttcacgg atgtctgatt gagtcccgta acatatcgag 280

<210> 15633
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15633

agctttatca tcagaccact tncaggggtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120
 ccagatttac ctngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaanaag actgtgtcat caagagaatt angagtgacc 240
 atggcagaga gtntgaaaac agcaagttta ctgaattctg cacatctgaa ggcactctc 300
 atgagttctc tgcagccatc acaccacaac aaaat 335

<210> 15634
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15634

aaattgagtg gggagaaaat tttcactaat tatgattagt gaatttttagc tatggttcag 60
 cccaccaatc caagatcaat tccaagattc tccactaagt gtgcttaggt gtcatgaggc 120
 atgtaaagca tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggggtgtagc 180
 aagcaaataga tcacctcccc ctctaataatt taattggatt ggtcttctcc caattcaatt 240
 aaatntattg ctcaacacac acatcaaata tggacttaat taacgtgaaa ttacaaaact 300
 acccctaata cacaactat agtct 325

<210> 15635
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15635

ataanatatc gagacgctcg aaattgaaaa tcggaagctc ttgagcaatt caaatgggtca 60
 taacttctaa ctcgaaggtc cgattgaggt gcataatata tcgagacgct cgaaattgaa 120
 gaatggaagc tcttgagcaa ttcaaattgt tataactttt cactccgagg tccgatacac 180
 gtgcataata tctcgagacg ctctaaattg aacaatggaa gctcatgagc aa 232

<210> 15636
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15636

agcttttttcg tatgtgctcc aaacanaagc gggcatgggtg gtttaataag aaacctaggg 60
 gaaattactg ttcattgctga agagactgtt gcttcaaaga gtgcagttga gatggctctg 120
 cggtgttctc acttggataa cagggatgtc ttttctaaaa gtgtacgtat tctatatccc 180
 atattaatgt cccctattta attaaataca tttttttttg tttgtcattc gaaacatctc 240
 tcatatattg ttttctcgta ngaccctctt ctaagaatat caagaatggg tgagagtgga 300
 cgtttatattc ctatatgcaa gactgaagtt atcgacgaca atttaaattc caaatggaat 360
 catttgtct 369

<210> 15637
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15637

agcttgtatt agtatacttc accttgctgc ggtggcactt aacctggctc taatcctggc 60
 tgcacttgac ccaattgggg tttttcagtc ttaacctctt cctgaaccag ggatttctgc 120
 ttctccaatg attgaaactt ctttgggggtc ttcttttctt tccttgagac ctcttgatag 180
 cttgtggctg attctgccgc tcgttaactta agcagcctca tctctttctt cagtgcagca 240
 ttttccacct caaatttccg gacatcaaca ttgggttcgtt ctacctgtgc acttgcttta 300
 gacaggcatt ntccatctca gaaacttctt catagtgttt tcctctagag attgtttttc 360
 tttnttaaga cgttcaactc atctttctct tgtctcaat 399

<210> 15638
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15638

agcttltact aagutcatcc taccatcctc agactgatgg tcaaactgaa cggaccatcc 60
 attccctgga ggaccttttg aggtcatgtg tcttaaagca naaggggaga gctttctttc 120
 attgatagag ttcacttaca acaacagtnn tcactctacc attggcatgg ctccctatga 180
 agctntgtat ggtagaaggt gtangacacc tctatgttgg ctaaagccct gagaagacct 240
 caccttatga cttgaagtgg tacaacaaac caccgagaag gtcaagttga tccaagaaag 300
 gatgaagact gctcagagta ngtagaaaag ttatcaggat aagagganga aagacttgga 360
 attcgaggtg gtgatcatgt attcttgaga gtcactct 398

<210> 15639
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15639

attgaacaag cggaagctct gcgtgtataa tcnagtgttt ttaaattntc acacagatgt 60
 ccgatgcggg gaaataatat atcgagacgc acgaaattga acaacggaag ctctcgagaa 120
 atttgaatgg tcataacatt tcactcggat gttcgatccg gggacataat ttatcgagac 180
 gctcgaaatt gaacaaccga agctctcgac acattagaat ggtcgttaact nttcacgcga 240
 atgttcgatt ctgggacata actcatctag acgctcgaaa ttgaacaacg gaagctctcg 300
 agaaattcga atggtcataa gttttcacac cgatgttcga ttcggggaca taatatatca 360
 agacgctcga aatttgacac cggaagcttt cgagaaaatc gat 403

<210> 15640
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15640

taagcttattc accatcggaa gccatggata aaagcttgaa ggtaggagaa aatgagtaga 60
gggagagggga aagaagggga tgaaatnttg agagagaaaa gagggagaat gaggtctgaa 120
ctttgaagtc taattttctca naaataaaaag ttgcaaaata cacatacaag gtctctattt 180
atagcctttag tgcctacaa aatttgaagg aattttgaat tctctctcaa atttcaattg 240
aatttgaath tgaatttatg gagccaaatt tggagccaaa atttccactaa tcatgattag 300
agaatttcat ctatggttca acccactaat ccaagatcaa atccaagatt ctccactaac 360
tgtgcttang tgtcatgagg catgtaaagc atg 393

<210> 15641

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15641

agcttattga catccgtgac tngatcttaa gcgaagatgt tcgcaagaga gatntangag 60
aatcttccaa tcatgtntcc anttcagcat ttgatactga aggcanngga agtactaccc 120
aaaatgatgc aatcctaccc cgcaagggca ttggctagaa gactccaagt agattgggct 180
agagatccaa ggaaaggccc tagggttctc atgagcctta nggtagatnt cgagcccatg 240
ggctaagtat gagcccgtt atctttgtaa tattagatan ggtattcctt cgtctagccc 300
tgtatttttg ctattctagt agtat 325

<210> 15642

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15642

caaatccctt gggataaagg tagtgttgcc atgttttcaa agcccgtact aaagcataca 60
actccttattc ataagttgaa tagttaaagg taggaccact taacttttca ctaaaataag 120
caattggatg gccttcttgc atcaacacag ccccaatccc aacatttgaa gcatcacact 180
caatttcaaa agatttttga aagtttggca acgcaagtat gggggcatta gttagctntt 240

gcttaagaac attgaaagct tcttcttggt tctctcccca ttgaaacca acatttttct 300
 tgagcacttc attgagaggt gctgccaatg tgctaaaatc cgtctataaa aacttgc 357

<210> 15643
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 15643

tatttatgac ctctccagca acaggtacaa tcccggatgg aggaatcatc ctaaccttag 60
 atggttgaat ccttcacaac agcagcagca acaacaacat acttattttc aaaatgctgc 120
 tggcccaagc ataccatacg ttctttcacc atccagcagc aacaggcca aaaacagcaa 180
 acagtt 186

<210> 15644
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 15644

aggccctgat caattctggc aattgcacca ttgtgaagtt ttgcttcttt tgatgcttga 60
 acatcattcc atttttcctt gcaacattca tgaacagcat gcatcatctc gtgatgagaa 120
 gtatacgcta cgcagatcaa aagaactctc tggttgttgc gagcagtaac tctcattgcc 180
 ttttgcacag aacatgagaa cattaaattc aaccttatgg ccataacctt cttacatgta 240
 tctcttcttt gcataccttt gattcccatc catgatgaaa gcaatatgac ttggcatagg 300
 aaccaccgat aaaatgggca acatgcatct tcttatataa caatataaa 349

<210> 15645
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 15645

agctttcatt ataataaact aagcaataaa ctacttcata ttttcctgt gtgtgtggtt 60
 gtctgtgaat cccttctaca acttgccatg caacattgcc ttgatcaaac ccaagagcaa 120
 gccctatggc caatctatca ataataacag aagcaacaaa aataattaga ttcatgataa 180

ttttcttgta acctaaatat gaaataaaga aataattaat gatataattg atcgggtaat 240
 catgacttaa ttttttaatt atcaagattt atcttattaa agtaattaat aagagttcca 300
 aattgaaaat aatagtagtt attgaatact accaatgagg attccaacat gcttgaactt 360
 atgaaattgt attattgaga cacacactct 390

<210> 15646
 <211> 478
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15646

acataatact cagtagtcct tgctacaagg gaaaccttcg aaaaagaaac canactgnct 60
 tacatattcg ataaaaaac agaccaaata tttttttcag gggaaagacc acaaaccagg 120
 attggagtta gctgcccctc taggtcaaga agacctttgg caaaagcagc tgcagacatc 180
 tgtttaatat gggtcatgaa aaaatggctc acatatgatg ccaaaggaca aattaggctt 240
 ataaacaatg cctagacatc aaacacttcc aaaatgtata aaaatgtagc aaccaataat 300
 gaaaaccact tagccttctt atgattaagg tgagcacaac tttaggccat acctgcacac 360
 gaccctcatc agagctgtaa atcttgagat catgacggta tgtactatgg aggcgaagaa 420
 gccctgtacc ttcttcttgc atttaaacca cacaaaaatt tgcctttata catactac 478

<210> 15647
 <211> 329
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15647

ngagacatat agattgaatc ctagtgagct ctaggactta gnttaatatc tgtcaactgg 60
 tcatgagaat tgatgaaccc agtgataatc tccttggaaca ataatttctc tcgaatgaaa 120
 tgataatcaa tctctatgtg tttagtcttt tcatgaaaga ctggatatga ggcaatgtga 180
 agagctgcct gattatcaca gtataacttc atttgcacca cttcacaaaa ttccaactct 240
 tggagaaatt gtttaatcca cataagttca catgtaacca tagccataga tcgatattca 300
 gcctctgcac tagatcgagc aacaacagt 329

<210> 15648
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15648

tcctttagan aacttgccttg agaagctaga gcttatctac ttcaccccct ctccataacra 60
 agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
 acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
 cccccctat aatagctaag ctcccccca tgacaaanaa catgaaaata ataaaaaaaa 240
 agtccttatt acaaagacaa ctcanaatgc cccgaaatac aaggctaaaa ccctatacta 300
 ctagaatggc caaaatacaa ggcctagacg aagganaaac ctattctaatt atttacaaag 360
 ataagcgggc tcatacttag cccatgggct cgagatctac cctaaggctc atgagaaccc 420
 tanggcctnt ccttggatct ctagcccaat ctact 455

<210> 15649
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 15649

gacacataat actcagctta tataaccttt accatgatag agataactgg tggattgttg 60
 catcaattgt agtggttctc tgcctattat gggttggcat agaggatgta agctttcata 120
 gcaaaggac cactactcaat cttgcaactc ttcctgttgc tgttggctctt tatggttact 180
 gctacttttg acatgctgtg ttcccaaaca ttatacatc catgacaaat ccaaaccaat 240
 ttccttgaa tctcttagc atggtaaag acttttagct ataacttaac tcagcttcca 300
 ctagtccact cactaaatat taaatctcct caagtctgt acaaattgca atttacaat 360
 atagtcaaaa gatataatta tttggcttac gtcaac 396

<210> 15650
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15650

ctagagcggg tcccttatgt tatcaaacat aaaaagggat aaggtaatat tgtagccgat 60
gctctttctc ggcgtcatgc attactttct atgcttgaaa canaattgat tgggcttgaa 120
tgtttgaaaa gcatgtatga aaatgatgaa acttttggag aaatttttta aaatagttaa 180
aattattcag aactggtgtt ctttatacat ggaagtcttc ttttcacaga aaacsaattg 240
tgtgtgagca aagtttacta caaatctgtc gctgtgaaac acatgaagaa gtttaaagggg 300
cattttgggt ccaaagactc taaaacatta aaaacatttt atggct 346

<210> 15651

<211> 225

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15651

atattatgca cccgaatcgg atatccttgt gaagagttat gactatatga atnttccgag 60
agtttccgat gtttaatttc gagcgtatcg atatattata agctcgaatc ggacatccgt 120
gtgaaaatnt atgaccattt gaattttctca agagcttccg ttgtcaatat ccagcttctc 180
gatatgtgat ttgcctgaat cggacatccg tgtgaaatgt ttacc 225

<210> 15652

<211> 387

<212> DNA

<213> Glycine max

<400> 15652

agcttgtaat tattgaatca tcaaccatgc tcgtcccagc agactacgca ttctttgtag 60
ggcccatctc attctcgggc ccatactgta aaccagcat cgttttccag gtaacatatc 120
aaacccaaag agagaaagta gcaggaataa acagagagag aaagagagaa aataacagga 180
aaaaaatgaa aagaaactaa ataacatgat agcccacaag tgtgttcata agccaaatgt 240
gatttggcat caaaaaataa cgtcaacctt ttgtcattca agtaagacag aacacatgtc 300
tgtcatttcc catgaatcat ttacatttag ttaaatttta aatatcaata aaatatttaa 360
gaaatattat agtttattta ataaata 387

<210> 15653
<211> 303
<212> DNA
<213> Glycine max

<400> 15653

gtcctgctcc aatgaataaa tctttataag taaaacatgt atgtttattc taactcacc 60
caicctggag ctctgctctc acagcagagg caccaagaag aattaggctc tctcgaatc 120
tatctgatac ttctcgaatc attatatact gatcagcact gactacattc ttggccctag 180
agaatatact atcaaactcc ttgtattctt ctgcatcaaa ttcacgataa gccagtataa 240
agggtctcag acccgcacac ccatactcat gcacatgcc catgggtttc tcttccaact 300
ccc 303

<210> 15654
<211> 170
<212> DNA
<213> Glycine max

<400> 15654

agcttttttt tatattatgc acatgaatcg gacctgagag tgacaagata tggccatttg 60
aatttttcga gagcttccgc tgctcaataa cgagcgtctc gatatactat actcctgaat 120
cggacctccg agtgaaaagt taagaccatt tgaatatctc gagagcttcc 170

<210> 15655
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15655

gtatatgtaa atcaaccccc tggatttgaa aactcagaca agactaatca tgattntaga 60
ttaaaaaagg ctntatatgg ctcanagcaa tatagatact actcttttca taaagagaaa 120
attacatgat attttattgg ttcaaattta tgttgatgat attatttttg gatctactaa 180
tgaattattg tgcattggaat tctctcatga catgcaaagt gagtntgaaa tgtaaatgat 240
gggagaactt aatttctttc ttggattaca aattanacaa accaagactg gaattnntgt 300
caatcaatcc aagtactgca nagagttaat tcacatatcc ngaatggaaa tgctancaca 360

tggctaccca atg

373

<210> 15656

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15656

cctaggatct tcttcatcaa tggattcctt tgcttcttgg aagataaatg gcngcggaat 60

ggagatagga agagagagag gagacgccac ttcaaagaga agatgagtct agaagaagct 120

caccaccata ggaggccatg gataagagct tggaggaaga acgagatgaa tgaggggaga 180

gggagagaag agcacgcaaa tttgtgctct aaatgagcct ctgaatctga agtttaatat 240

ctcaatgatc aaagttgaaa aaaatgcaca tacatgacct ctattatagc ctaagtgtcc 300

a 301

<210> 15657

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15657

tatcttgatg aggatgtgcc atatgttcnt tangactgga ctaatacatt ngctgcccac 60

gtttcatggg cttgcagggt aagatcctca taagcatctt aaggagttcc atattgtctg 120

ttccaccatg aaacccctg atgtccagga agatcatatc tttctaaagg cttttcctca 180

ttctctggag ggagtggcga aagattgggt gtactacctt gctcccaagt ccattactag 240

ctgggatgac ctttaagaggg tgttcttggg gaaattcttc cttgcatcta ngaccactt 299

<210> 15658

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15658

cttcgtcaag taagtgacag cttgatattg attttttagg ccacattggg gcaagttgct 60

gccactgtac ctcttaactg ttcaagtcaa caagatgggt taagggtgtg gttggataaa 120

caacttaatt aagtgccttat tagataagta cttatcatgt aagcccttat gtataagcta 180
 tntctataat aaaagtagaa ataggattaa actctctcaa tataagttgt tagttatfff 240
 catgaggtat catggagatt ggagatctta tngataagct gaaaacaact tatggacaaa 300
 tlataagcta tgtccataag ctctcccaaa cacttacaag ttcttatgtg ac 352

<210> 15659
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15659

tgcctatcca aggcattctc taggagccga agctcctnat tattggctta ttccttagtg 60
 gatggcgcct cctttccctt cttctccttt gtcttccgct gcctctccat ggtggaaaat 120
 caccattgaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc tccacaagca 180
 agcttccatc acatcccttg tggatctttg cttgtaaagg attttacaag gttattggaa 240
 atctaaagaa ccggtgggtg cttggggact ggatgtangc actggttggt gccgaaccag 300
 tataaacttg tgtttggctt cttcttccct acactctata attctcgtg tgtactttta 360
 attccgcttt acttaagtct aacgtattag ttatgttc 398

<210> 15660
 <211> 326
 <212> DNA
 <213> Glycine max
 <400> 15660

agcttttagtc ctgacccggt ctgcacttgt aatgtgcat gctcttgccc agtttccacc 60
 attatcggac aaagaaagct tgaagaccga gctatgcaat ttctgagagg tctgaatgaa 120
 cagtatacat acattcggtc tcatgtgtta cttatggatc ctataccacc catatcaaag 180
 atcttctcat acgtggcgca acaagaacgg caactgttat gtaactgctc tctaatctc 240
 aattttgaat ctaaggaaat ctccattatt gctgcaaggt ccgtttgtga gtattatgga 300
 cgaatcggtc accacaaaaa tgtgtg 326

<210> 15661

<211> 347
 <212> DNA
 <213> Glycine max

<400> 15661

ttaaaacaaa gagtttttgc ctctaaagaa atttttctag cttataaact tttcttcaca 60
 caccctctta tgattacaaa tgcaaaacag ctatcaccatg tactaagatg caccacccca 120
 gataacaccc catcacaatg tcactcaagg gagttgggca cgtctaaagg aagacatctt 180
 cataaatgcc taaaactctt taactactct atttctccca ccacatcatg gtcactgcac 240
 tccccatgta catacataac atacattatc acaatgacgt tttcaatgtc aacaacatct 300
 catcttaatt gtcttaccca catcaacatc atgtcatctc aatatca 347

<210> 15662
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15662

tgaaggtgtg tagtccacca tctggtgata gnagaatatt ggattgtgtc tactatcatt 60
 atcattgggt ctccgtcatt gaagtgccac ttgagctgcc aggtctctcc acctttgggc 120
 gtattctttg aaagatctgt gccccttttt gcacatgtta tgttgttgca tcctatccgg 180
 aaccatatca aaattgtact gatactgcct aatgaaggca accattatgt ccttccaaga 240
 gtggactcga gaaggttcga ggttagtgta ccaggttaaca gctaccccag taagattatc 300
 ttggaaggaa tgtatcagca ggtcctcatc tgttacgcat gcccgcatct tccgataata 360
 catccttaga tggttctttg ggcaagtagt ccccttatac ttgaca 406

<210> 15663
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15663

agcttgattt cttagcataa tcactngcat cgacatgga ctcaaattct tgcccctatc 60
 tgggtgttgta attcctgggtg caaacactaa ttgtgttttc aaatcattaa atgctctcat 120

acatttcttca ttgaacacaa aagcaacatc tttattcaac aaattgctca acagtttggc 180
tactttggag aaatctttta tgaatcgctt agtgaaccct gcatgtgcta agaaacttct 240
tattcccttg acattcangg gaggaggtag tatgtcaatt acattgtaca cctctttccc 300
tcttactgac attttatgcc ccaacactat tcgcttctga accatgaaat gac 353

<210> 15664
<211> 130
<212> DNA
<213> Glycine max

<400> 15664

taaacgccac atccttcttc accagctcat tgacaggtga tgcgattgtc gataaattat 60
gaacgaacct tctatataag cttgctaacc catggaagct cctaataatcg tccacactct 120
ctggggtggg ccattattgg atggccttga ttttctcatg gtccacttgg accccatttc 180

<210> 15665
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15665

ntggatcttt gtaagcagta gaagaaaact atgatgctcc tgatttatct ttagatccaa 60
cgggtggtca gatgaagaat cacagagaaa ggaagaccaa aaagactaag gctaaaaatt 120
gccttttctc tactgtgtca aaaattatct ttacaagaat tatgaacttc aagtctgcca 180
aacagatttg ggattatctc agatcagaat atcaaggctg tgaaagaacc aaaggcatgc 240
aagtactcaa cttgngcaga gaattcgaga tgcagagcat gaaaaagact gaaacaatta 300
aaggctacgc tgaccggctg ttaagcatag caaatagagt gaggcttctt gggaaagact 360
ntcctgatga aagaatagtg canaanatcc tggtcactat acccgagaag tatgaatcga 420
agatatc 427

<210> 15666
<211> 277
<212> DNA
<213> Glycine max

<400> 15666

caaaagccat tcatgatttt tctaaacctt tgatcaacat gatgaaagca gctgggtggg 60
accttgatgc tgctgccaac tcaatcgaac ctgatgttgt ttatgcaaag agagctcata 120
agaaatatgc atttgagtct tacatatgcc aaagaatggt cagtggctct gagcaagaaa 180
acttctctgt caaatcagac aatattactg taactaaaga gagcttcttt caccaagttc 240
tcgcattaag agagatggat ccttggaca tgcggg 277

<210> 15667
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15667

cctcaccaaa tcccttattt ccagaaggga attctatcaa tagacctcca atctttaatg 60
gagagggtta ccactactgg aaaaccgaa tgcaaatttt tatcgaggca atagatctaa 120
atatctggga agccatagaa atagggcctt atataccac cacagtagaa agagtttcaa 180
tagatggtag ttcacaaagt gaaagcataa ccatagaana acctagagat agatgggtctg 240
aagaggatag aaaacgagta caatacaacc taaaagccaa aaacataata acatctgccc 300
tatgaatgga tgaatatttc agagtttcaa attgcaagag tgctaataa atgtgggaca 360
ctctttgatt aacacat 377

<210> 15668
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15668

gacacttaga tactcagctt gagcaattca gcaaaatcac tttttactcg gatgttgatt 60
gagtcccgta atatctcgag acgctcgaaa tggaacaccg aatctctgag aaaattcaaa 120
cgacaataac tttntactcg gatgtcagat tgagtcaga aatttgtcaa gatgcttgaa 180
attgaagacc aaagctctga gcgaattcaa acgacaataa ctttttactc ggatgtgtga 240
ctgagtcccg taatatatcg agacgctcgg aattgattat cgaagctctg agcaaattca 300
aacgacaata agtttttact cggatgtctg attgagtcgc gtaatatatc gagacgctag 360

aaattgaata ccgaagctct gagcaaattc aaacgat

397

<210> 15669

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15669

tgctgtcttc gtatatggcc acctgataat cctatcgaaa agctctccac ctgcacataa 60

ttccatcaca acatgaacag ccacggcatc cttatatgca cctttgatgg atataacatt 120

acgatgcccc gccaaagtggg gcattatctg aatatctctt ctcacatcct ccacatcacc 180

atcgggtgacg agcttcctct ttgcaataga tntgcaggcg cactccagcc ctgttgccctt 240

ttccacgcac aagaacgttg tcccgaactg accctgtcca agtttctccc agagtaaaga 300

actcttgaaa tatcgggtctc tctttgaaca cagaataaca cgaaccct 348

<210> 15670

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15670

agctgaagtt tcttcatttg cacaagacgc taataggnga agagtatcct tgtggaacct 60

tcacccgacg aagacactga caaaaactta tcttctcctt cttggacaag gtatggcagg 120

ctgggggcaa gtaaattttc ttcccatcac accttggatg caattgtgat cgtataccca 180

tatcagctag atcttgatgg gtattcaagc catccttcgt cttgccttga atgttaatga 240

gcgtaccaat cacattgtca caaacatctt tctccacatg cataacatca atacaatgtc 300

taacgtcaag atcacaccag tacagaagat caaagaaaat agacctcttc ttcatatgca 360

actctgactc ttatccttct tttgggctta ccaatac 397

<210> 15671

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15671

ctcaattaaa tttctggctt cagcaagagt catgtatcga aaggctccac cactggcage 60
atctatcata cttctctcca tattactgag tccttcataa aaatattgga gaagaagttg 120
ttctgaaatc tgatgggtggg ggcaactggc acatagtttt ttaaattcgt cccagtactc 180
ctacggjctc cctcactga gtgtctact ccttgagatc ccttctctga cggctgtggt 240
cctggaagca aagaaaactc tctcacaacaa taccctctta aagtcacccc acctcgtgat 300
ggaccttggg caaggtaata c 321

<210> 15672

<211> 402

<212> DNA

<213> Glycine max

<400> 15672

agctagcctt ttgcaagtgc catttggccc atgtaatgaa ctacatttcc actatcagtg 60
ggcctaagg agatggagga aagtgtttct acaagagatt gttgcaatgc ttccaagcct 120
tgagataaag catcctcagc ctgctgggaa gactgttgca gattataaat tcccatcaac 180
tgctgatctg ttaatggctc aagggtggtc ttgatgatct gaactccaaa agacgagaaa 240
tgagtcaaca acaaactata tacacaagtg aagttactag aaaatggaag tacttaattg 300
gcaatcacct tgagaagttc ggatgaacgg aatccaccaa gccacataaa acatctttcc 360
acaggtgtct tccacatccc attatgtatg tgtaatacat ca 402

<210> 15673

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15673

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tttgtatttt ttatgggtga ttgtgttttt acatggagtt ctaagaagca agacattgtg 120
acacttttta cttgtgaagc cgagtatgta gctgcaactt cttgcacatg tcatgccatt 180
tggcttagaa gattgttgga ggaacttcag ttgttgcaaa aggaaagcac aaagatctat 240
attgataata gatctgcaca agagcttgcc aagaatccgg tgttccatga acgaagtaag 300

tatatatata caaggtagca tttcattaga gagtgcatta ccaaaaaaga agtagaattg 360

actcatgtga taactcatga tcaagttgcg gatattttca ccatgcctct caa 413

<210> 15674

<211> 304

<212> DNA

<213> Glycine max

<400> 15674

caatcatact tccactgttg ccacaggttt gggtaaattt ctggatatgct gtgggaacca 60

attccaaatt taattttgga aactatatct ttgatcaaa ctgttaagca ttcagaatct 120

tttgctatca aattacccat tgccttcctt actgtattgt gtggcattat gttcagtcag 180

catccaata tgttaaacta cactgactct gtgatgaaga gagaatctcc tctatccctg 240

cattacaaac tggttgaagg gacacatgtc ccagacattg tctcgacatc tgtctcgaca 300

tcag 304

<210> 15675

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15675

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aaatttaaatt cttaaataata taatcatatt aaatatttag agaaagaaat ttaccgtgta 120

taataactct atcgtctatg attttaattc acaaaagatt tcaatcctaa gagcaactta 180

atagaaatac actacactac ccaaatatac atggtggtat ctagctcgac agatatttat 240

caaaataata ataatacatg tcgtcttaat cttagattat tattgattat gtaggctcta 300

gcttctctta anttttttcc tatcatgcat gtntcctttg ttggtggtgg tggtggtggt 360

attattatta ttattattat tattatcata gattatg 397

<210> 15676

<211> 436

<212> DNA

<213> Glycine max

[illegible]

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<210>      15677
<211>      449
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      15677
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<210>	15678
<211>	390
<212>	DNA
<213>	Glycine max
<400>	15678

6606

ggaagggggg ttgaattaaa atatcacaat ctttccttat tcaaaagttc tatttttgatt 120
 ttaaeccaaa aacccaagat ggctttcaaa atgacctcct aaataataat gcaaattaat 180
 cttactgatt agaattatta agaattaaac attaaagaag ttttaaggaa gaaagattgc 240
 aaactcagat ttatactggg tgggcacacc ctgtgtaaaa tttgaatcaa atttctaaat 300
 agctgtctaa tctctctgca actacataga ttaccgagag taatctcttg aaaaagtttt 360
 gacaaacttc ttaaaatga gagaatgatg 390

<210> 15679
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15679

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 aacctgcat actcatggta acgaatttgt tcttactga gggcatttac aatggcagca 120
 ccctcagcat tcttgggagg aacctatgt tgcagagtgt taaagaaatg ccaattgttg 180
 ggggtagtgg gatcttcaaa tatgcaaggg gttcttctgt gcttaagaca catgtgcatg 240
 atgctaaagc tgggtgttga attgtcgaat acaacgtgtc tgtcctgcat gtttgagtga 300
 aatagggtga agttgctctt tataatatan gtttngtttg gaaggtagt ttgaatcttt 360
 ctcttctaatt ctctctaatt ttaagtcatt tcttctt 397

<210> 15680
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15680

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 gtctccatgg tttgttcac aattcagttg gctgaacaaa atcatcctct ttttcatttc 120
 caaaaccacc ttcctttggc catatagcat tgccatagcc atagggtccc tttgttcaaa 180
 gagccaccta ttatgatcaa aatctccagt ttggctcttc accagtgtg acttcgttga 240
 cttcatcatg gacaatctcc tctccattnt agacattcca cttgggtggag gaagtagaag 300

gggatgccc a ttatctatag ccacttcac tagttctgtg ttctgatatg gctccttgca 360
 tcctgngcat atcccacctn ctgttttact 390

<210> 15681
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15681

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 tgtagcaaag accttgatcc tgccaagtta gatgagctag aaaatgaggc taccaataca 120
 ttgtgtcgca tggagatgta ttacctcct gagttcttcg gcattgcggc acacttaatt 180
 gttcatctgg tgaggggaaat taaatgttat ggtcttgat atttgtggag gatgtacccg 240
 attgaacaat actagaagat cttacaatgg tgtacaaaga atctacaacg ttntgaagca 300
 tctattgtgc gaaggtacat tgtacaataa actattgag 339

<210> 15682
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15682

ggaaaaatng gatatggcac tgtagcgaa gccttgcat acaagtgtcc ttttgtcttt 60
 gtacgtagag actatntcaa tggaaaacct tttttgagaa atatgcttga ggtattctat 120
 tgactttctc catgttagtt ttttgtgtct tcaatatatt ttggttatga gtgcctttca 180
 agtaattatc ttattttttt agttttatca aggtggtggt gaaatgatta gaaaggattt 240
 actgacttgg cactggagac cttatcttga acgtgcgata agnttgaacc ctgctatgaa 300
 gcaagcatta at 312

<210> 15683
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15683

catganggtg ggctcatggg ccactttggg atatacaaga cgctcgtctt actcaaagga 60
aaagtttatt ggccccatat gaagaaaaat gtccttaagc attgcactag gtgtgtagct 120
tgtttacaag ccaagtctag ggtgacgcct catgggctat acacaccctt acccatcccc 180
tctgcacctt gggtagacat tagtatggac tttgtccttg ggcttcctag aacccaaaga 240
gggtatgact ctatctttgt ggtggggat aggttatca agatgggaca cttatataca 300
tgccacaagg tggatgatgc ttaccacatc tcaaaacgct ttgttatgga agttgtgaga 360
ctcgatgggtt cgcttgacc att 383

<210> 15684
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15684

ctctctggta atcgattacc agtttattgt tttcgattcc agnggcaagn ttgggtttca 60
aaaagctttc aactgaattt acaacgttcc aatcaattc aaaatggtgt aatcgattac 120
aatatattgg taatcgatta ctagtgtgtt tgaacgttga aattcaaatt caaatgtgaa 180
gagtcacatc ctttcacaca aatgctttgt gtaatcgatt acaatgattt ggtaatcgat 240
taccagtgat aagctttgaa taaaaatcac aagatgtaac tcttccaatg gttntcatgt 300
tattctaaaa gttataactc ttaatggttt tcttgaccag acatgaagag tctatanaag 360
caagacctta acttgcattt tatagacatt gaatacattg atttcaatcc tttacaaccc 420
ttgagtctct ttgaacatct tctt 444

<210> 15685
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15685

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atacaccaaaa tttgagagat tcccaatctg aggaggaatc ttcccatga ttccagtatg 120
agaagagggtt gaggtgagtc aaggaagtca ttgtcccaag gaaagaagga attgacatac 180

cttctccaag gtattca²tg gcgctcaagt ccaagtaatt caaatgcttt atatcagcca 240
aacaaggact tatctctcca ccagagctcc atctcctata agcttcccaa tcatcattga 300
aaatagaatc tg 312

<210> 15686
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15686

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tatgcaccag gaaaacattg ttgttgaaag aaattgtagt gttgtgattc acaagatcct 120
tccacctaag cataaagacc ctgngagtgt aactattcct tgttcaattg gagaagtcac 180
tgtgggaaag gctcttattg atctgggagc caatattaac ttaatgccac tctccatgtg 240
tagaaagttg ggaaagtcag agatcatgcc cactaggatg actttacaac ttgctgactg 300
ctccattacc agaccatata gagtaattga agatgtgttg gtttgagtaa aacattttat 360
cttccccgca gactttgtgg taatggatat ctgtgaagat aatggcattc ctgtaatatt 420
ggg 423

<210> 15687
<211> 242
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15687

ttctttngat attnggcaaa gttaaaaata atgtttttaa aattatacta atcattaaac 60
taataaaaata caaagttatg atttaataat tacatagtaa gtaataaagt aataataatt 120
aaaaattcat aattaaatac tatnttttta ttcatacagc ttatatTTaa agaactttat 180
ctatcttaaa gtcattttta acagaaatTT aaaaagaaaa ggggggaaat aaagacagtg 240
ga 242

<210> 15688
<211> 328

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15688

agctttttta taaagcctat caggnatgcg ccaagggcga ctgttccatg gctctatgga 60
ccctgctca aacccgaact agtgccttct ttatagaaa cacccttgcg caactctctt 120
ctgcaacaaa gcttcaagg tgcacacat aaatctcttc cttaggaag caatttaaa 180
aggctgactt gacatcaaac tgataaatct tacattgggt tgggttgaat agctagaaca 240
ttctgattga tctagccttc aactggagca aagtatcaaa taatctactc ccaaacttga 300
catacccttt accactacat tgcttata 328

<210> 15689
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15689

aaactatatt atctacacca aagggacact tctctatatt tgcataaagg gtgtttttcc 60
taaagactga aagaacttgc ctgagatgtc ctaagtgatc atctangctc ctactgtaca 120
ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatccctt aagacatgat 180
gcataagcct cataaagggtg cttgggtgcat tagtgagccc aaaaggcatc actagccatt 240
catacaaacc aaacttggtc ttgaaagcga ttntccactc atcacctnt ttagtcttga 300
tntgggtgata accactttta 320

<210> 15690
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15690

tacaaatctg ttttaagtcc aagcccataa ataatttaaa ttctagataa gataagacaa 60
aatctagatg aattaatatc tagatgaaat aaaatctaga taaaataata tctagatgag 120
ataaaatcta gatatgataa gataaaatct agatgaaata atatctagat aagataagat 180

ntggtagcat aaaattgtct gctctcttca agtccaagcc caattccgga ttcaaaccce 240
attgcttant aatttcctga nattaaatta aaaacacaaa attaattccag taggccccaaa 300
tgataaaact gcataattaa ttgacaatt aaggctaatt agtaattaaa atggtgacaa 360
aaaggggtaa gaaatatgag aaaatgatga cacatcagga cgacagcttt taattaaatc 420
cacaatacca tgacttcaga atggtttatt 180

<210> 15691
<211> 371
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15691

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ctattagtgc aaaaccattt tgctatngtn tcatgttttt tttgctcgtg ttgtgggttt 120
gaatttgaaa attgaacgtt tgtgcttaac tttttgaact atacggtatg ttgttggttg 180
gatggcacta tatcacatga atgcattntg gtttgcaacc tgggtgtgttt gcaaggggtt 240
gtgaagcgaa ttttaataata aataanatca aatgctttct ctctggttct ttgtatatnt 300
aattgaaaag tatancatat ctatagagta tcttcaatta tacttaaaaa attaagtatt 360
atattaaaaa a 371

<210> 15692
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15692

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tgcagaacct ggagcaatng agcagcctga agcttattgc tgcaatattt acaatagaac 180
ctcccaacca cagcagcaaa atcaaccata acaaagcaat tatgacctct ccagcaatag 240
atacaacctt ggatggagga atcaccttaa cctcagatgg tccagccctc agcaacaaca 300
acagcagcct gctccttctt tcaaaatggt gtggcccaac agacatacat tcttcaccaa 360

tccacaacag cacaacccca gaacaaccaa cagttgaggc cctccacaa 409

<210> 15693
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all 11 locations
<400> 15693

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gtgggtangg attagcnnac caaatgagca cccctgtgga aatcggctta caaacactaa 120
tatcatcgtg aaaccctgtg gattattgca gccctatta ttgaaatcga ggacaaatct 180
ttccatatgt gggaaggtat tggaaagagg tgcagcaaac cggcagccct tctttgttcg 240
tattttgtct gttcgcacga aggacattgc acgatgtact ggcggacatc ttcttgata 300
tgtggccagt caaaattctg tcgtanatga tggagagtct ttgatcccc tgtgtgattg 360
tcgag 365

<210> 15694
<211> 446
<212> DNA
<213> Glycine max

<400> 15694
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ttcagtggcg agcatctcga catattatgt gcccgaaatct gactttcgtg tgaaaagtta 120
tgaccatttg aatttctcga gagcttccga tgtttaattt cgagcatctc aatatattgt 180
aagcctgaat cggagctcag tgtgaaaagt tatgaccatt tgtatttgtc gaatgcttcc 240
ttggttcaat tccgagcatc tcgacatatt atgtccccga atctgacctt cgtgtgaaaa 300
gttatgacca ttccaatttc tcgagagctt ccgttggtca gtttcgagcc tctcgaaata 360
ttatgcgcc gaatcggaca tccgtgtgaa aagttatgac catctgaatt tctcgagagc 420
ttacgatggg taatttctag cgactc 446

<210> 15695
<211> 426
<212> DNA
<213> Glycine max

<400> 15695

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attcaaattg tcataacttt tcaacttgag gtctgtttca tgcacataat atatcgagac 180
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agagaatcaa atggtcataa cttttcacac ggaggtcaga tttatgcgca taatatatcg 360
agacgctcga tattcaacat tggaagatct cgtgaaattc aaatggtcac accttttaac 420
acggag 426

<210> 15696

<211> 331

<212> DNA

<213> Glycine max

<400> 15696

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accacagaga gcaacattct cccaagcccc ttcgtcttat aacactccct caagaacaag 180
ttctccatgt aaaaccctcg cttctctaga acgagagaga agttcggaga aaacaagaca 240
aaccaacaa tggaacacc tctgaaggtg tttaaattgt agtttctcga gataactatt 300
acttaatggg aaataatgat gaataattaa t 331

<210> 15697

<211> 215

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15697

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accatacaga cctttgccct tccatgcagc aacctgtagc aattgagcag cctgaagctt 120
atgctgcaaa tatttacaat agacctctc aacctcagca gcaaaatcag ccacagcaga 180

gcagttatga cctttccagc aacatataca accct

215

<210> 15698

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15698

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atttagatta ttattattat atttaaattt taagccttgt atttggctat ggtttatgac 120

atttgaatac ttagtatttc tttcatattt acttagtatg actgaacatg atgatttata 180

ttacttgctt ttggtgttta tggttatgtg tggtaaacct tattatttta tgatatatat 240

gtctagtgat atgtacttac atttgggtatt gtgtngatgt atgtcttata attattcatg 300

tatgggttat tntacgcact atga 324

<210> 15699

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15699

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acgactactg attcaactga tcatggtaga gagctagaaa tagttcatat gacactaaac 120

gaaaagttgg ctgatacaaa atttctcttc gtttaggatg acgtgtggga acgaaaggcg 180

gccttaatgg agaactgtgc tgaatgctcc ttgttatgga gctcagggaa gtacgatcct 240

tgccacgaca cgcagtgaag aagtggcttc tatcatgcgg gcaga 285

<210> 15700

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15700

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cttcacccga cgaagacact gacaaaaact tatcttctcc ttcttggaca aagtatggca 120

ggctgggggc aagtaaattt tcttcccatc agaccttgga tgcaactgtg atcgtatacc 180
catatcagct agatcttgaa gggatttcaa gccatccttc gtcttgccctt gaatgttaag 240
gagcgttcca atgacactat cacagacatn tttttccaca tgcataacat caatacaatg 300
telaacgtca agatcacacc agtactgaag atcaaagaan atggacctct tcttccatal 360
gcaacrttgc ctttcaacc tcttttgagt ctltccaaacaglat 405

<210> 15701
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15701

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aagaagtggg gctccattgt tcaactatgaa gttgataatt ggctctatat atggctctac 120
atcgttatta aaaacggatg tactgtgtgg gtagggcggg gcagcaatga aagcagagta 180
tattgctgtt gacaccttga gtcggccatg caaattggct aatgaaattg ctntttgaat 240
gttggtcata gcaggtagaa tgtattggac cgacctcatt ggtattgggg ccaatttcgt 300
ttccaacaac gatgtactta aaattgacgt ctctgtgagta ggggtgtcacg tacttattga 360
cccagtctct ggctgcatta gcgttngtca gagattgaag ggtatcctta gcaacgtcca 420
tgatcaactc aatgcctgaa cctc 444

<210> 15702
<211> 361
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15702

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gggcaacctt tgctttcttc tgtgggtatct aactccccca aagaccagac cacaaatgac 180
aagcaaggtt attatgacaa tgaccacaac aactatgggtg tgcttattgc cacctccact 240
gcccccataa cccgtgccag cacctccaac cgtcgagacc ttgatgtaga gacataacca 300

gaatcacaat caggtttctg aaagcatcct acactgttca aaaggaaaca gtcccctgaa 360

c 361

<210> 15703

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15703

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aaatctatac ctgtcgcaaa agtctatggt ttatgctcct ctgncgacca ccacacagat 120

cttttccctt ccatgcagca acctgaagca attgagcagc ttgaagctta tgctgcaaac 180

atttacaaca gacctcctca acctcagcag caaatcaac cacagcagaa caattatgac 240

ctctccagca acagatacaa tcccggatgg aggaatcacc ctaatctcag atgggtctagc 300

cctcaacaac aacaacagca gctgctcct ttctttcaaa atga 344

<210> 15704

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15704

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caaccgagta aaaagttatt gtagtttgaa gttgctcaga gcttcaactt tcaatatcga 120

gcgtttcgat atgttacggg actgaatcag acatcanaat aaaaagttat tgctgtttga 180

attatctcag agcttcagta ttcccattcg agcgtctcga tatattacgg gactcaatca 240

gacatccgag taaaaagtta ttgtcgtttg aatttgctcc aagcttcaac at 292

<210> 15705

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15705

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 ccagacgctc gaaattgaat accgaagctc tgagcaaatt caaacgacaa taagtttcta 120
 ctcgatgttt cgattgactc tcgtaatata tcgaaacgct cgaaattgaa gaccgaagtt 180
 ctgagcaaatt tcaaacgact ataacttttt actcggatgt ctgattgagt cccgtagtat 240
 atcgagacgc tcgacttga atgcgcgaagc tcgcgcgaaa tccanacgac aatcacttt 300
 tccctgggat gtcggaatga gtcgcctaat atalcgagac gctcggactt gactccatag 360
 ctctgagcac atcaaatgac ataactntta ctcgatgtca agtgagcccg aata 414

<210> 15706
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15706

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 cacagtggcc aaagaagatt ggaagatcct gaaaatcact catgaa 106

<210> 15707
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15707

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 aaaagttatt ttcgttgtaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgct 120
 atattacggg actcaatcta acatccgagt aaaaagttat tgtcgtttga attggctcag 180
 ggcttcaaca ttcaatttga gcgtctcgat atatgacgag actcaatcag acatccgcgt 240
 aanaagttat tgtcgtttga attgtctcaa aggttaaaca ttcaatttcg agcgtctcga 300
 tatgttacgg gactcaatca gacatccgag taaaaagcta ttgtcgtttg aatttgctca 360
 gagattcaac attcaatttc gaacgtctcg atatattatg ggactcaatc 410

<210> 15708
 <211> 394
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15708

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aaaaatcaaa aataaatgtc acatggcaaa atagccatga taacaataat aattgttctg 120
tcttctatag actaaaacac cagattcccc acatatgaga aaattctatg aacaccaata 180
cttcaatttg ctttgcctat ccgtattcga tttgtttacg atactaatac tcttaattgg 240
atactntacg tatatataga tattgttgaa gtattactac taaaaatatg atatttagta 300
atattttttt atcaacacta aataaaaatg ttactaaaag cctttgacga catttaattt 360
ttttacaaaa tgatgaataa atgttattaa tata 394

<210> 15709

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15709

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gataaccaag aggcatgtcc atgtatactc cctcaatcaa atcactattg agaaacacat 120
tatttaaate aagctgaaac atgttccaat ttctgtgagg tgcaatggaa agaaacactc 180
tcattgccgt atgcttggca acaagtgaga aagtgtccaa aaaatcgatc tctgcttggt 240
gtttgatgtg tgtacccttt tgcaacaaga cgagccttgt atctatcaag ggagccatct 300
gctctatact tgaccttata aatccatctg caactgatgg gtctttttatc ggggtg 355

<210> 15710

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15710

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acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aattcaaatt 180

tcacttgaat ttgtggagcc aaactttgga gccaaaattt aactaattat gatttcgtgaa 240
 tgtagttat ggttcagccc actaatccaa gatcaattcc aagattctcc actaagtgtg 300
 cttaggtgtc atgaggcatg anaagcatga aggacatgca cagagtgtga ctatatgatg 360
 tggcaatggn gtatagtaag caaatgctca cctctccctc taaaattaat tgg 413

<210> 15711
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15711

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 acaactcctt atcataagtt gaatagttaa aggtaagacc acttaacttt tcactaaaat 120
 aagcaattgg atgaccttct tgcacaaaca cagcccgaat cccaacattt gaagcatcac 180
 actcaattta aaaagatttt tgaaagtttg gcaatgcaag tatgggggca ttagttagct 240
 tttgcttaag aacattgaaa tcttcttctt gtttctctcc ccattagaaa ccaacatttt 300
 tttagcactt cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa 360
 aatcttgcta aaccatgaaa actcctcacc tcggtcac 398

<210> 15712
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15712

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 tccaatacac tgccattgat cttcaagaag aaaatgactc cattgatgaa gaagatccaa 120
 ggcctacaag ctccacatgg agctacgtca tgtggtatta agagcatctt cgtctaggtg 180
 atgttctttt gcttctctta tcttttttcc cggatcaattc actctaattc cttattcttc 240
 atcttattct ccatgtatat cctccatttt cttgtgggtt ggtactattt agagtagatt 300
 cacaaaanat aaactgatta aatcttagat ctacacttgt tcttgcatth ctattgggtc 360
 aaatttatag acctattctt gaatcatgnt tttgtgttga ttntaggttc tatcattntc 420

agtcataatc tttt

434

<210> 15713
<211> 423
<212> DNA
<213> Glycine max

<400> 15713

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tacacaaact tgaaaacatg ccaaatacag atatttacca tgcaatgaga ttgagttttg 180
atgatctaga tcgcaaagaa cagaagattc ttttagatct tgcattgttc ttcataagat 240
tgaatttgaa actggacagc ataaaagttt tattgaaaga caatgaaaga gatgattcag 300
tggttgctgg gttagaaagg ttgaaagata aagctcttgt aaccatttct gaagataatg 360
ctatatctat gcacgatatc atacaagaaa tggcttgga gattgtgcgc caagaatcaa 420
ttg 423

<210> 15714
<211> 388
<212> DNA
<213> Glycine max

<400> 15714

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gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tgggtgttct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttgagtg ggagatgaaa atagagcatg ttttctcatg 240
ccacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
tcttatgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatgggtga 360
tacatggacg gagatgaaaa agatcatg 388

<210> 15715
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 15715

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 gtctccaaag gctccaccac tggcaacatc tctcatctct ctctccatgt tctgggtctc 180
 ttcataaaga cattggagaa gaagctgctc acaatctcgg tggtagagagc aactgggcca 240
 tagttattta aatctctccc agtattcata tacactctct ccactgagtt tctaattcc 300
 tgagatatcc tttctgatgg cagtggctct ggaagctgga aaattttttt ctaagaatac 360
 tctcttgagg tcatccacnc tctgatgga ccttggagcg aggtaatata gccagtcctt 420
 tgtcact 427

<210> 15716
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15716

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 agaggacatg ccttcacctt tagaggattg catgtcctcg tcatcatang actacactcc 240
 ctgcgcttca aaaggcgaca cgtcctgaac ttcaaaaggc tacacgcctt cgcctttaga 300
 gggctacgag tntcacttt cagtgggctc catatccaca ccttaagata att 353

<210> 15717
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 15717

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 atcattaaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180

gcttccatca ctgctgttgt tgggtgctgac ggctggacca tctgaggtta gggcgattct 240
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 gcttctgagg ttgaggagga ctattgcaaa tatttgcagc ataagcttca agctgctcaa 360
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 accacatacc ctglaca 438

<210> 15718
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15718

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 aaaaggatta gtctctggcg atccgtcatg ctcttcataa gcagcgcgaa gccggcctat 180
 gagggcatcg aggctacccc atgcttgctt gagagggcag gcacacggtg cacgaggggt 240
 gggctggcca aagaagatgc aaccgtgcaa gtggagcttg gtttcccata ttgatcgagg 300
 accgaacgaa atccaacaca tggttgaagt tgcactgaga gagtggaaact ggcggactct 360
 gat 363

<210> 15719
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15719

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 ccgttttggg cccactcaa gtcaagcctc tccaccaagc tcttcaacat aaccgtctcc 120
 tctctctgca aagcgaagca natcccaat gccgaaacgg caatcgctga cggcatacga 180
 ctcggcgtgc tccccgacgt ggtcacctac aacaccctaa tcgatgcgta ctgtcgtttc 240
 gccacccttg atgtcgctta ctccgttctc gcgcgaatgc acgacgccgg cattccccct 300
 gacgttgttt cattcaatac cctaattctc gccgctgtga gaaagtctct gttctcgaag 360

tccctcgacc tgttcgacga aatgctcaaa cgaggcatca accccgacgc atggagccac 420
aacattctaa tgaa 434

<210> 15720
<211> 393
<212> DNA
<213> Glycine max

<400> 15720

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gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180
gacctgtgaa atgaattact cgttgctcga aagaacgtgt tgagctttag tatgggcatc 240
ccatgccta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300
ggctaagtac atctttgaga atccatctct cacgggacga atcgcccggc ggcaagtcct 360
gctatccgaa tttgatatag tcgacgtcac aca 393

<210> 15721
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15721

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caatcacaca gtttgtccac catggaatgc tntatgttcc tattgggttat agttttggta 180
tgctttatgt tcctattggt tatagctttg gtgctggaat gttcaatttg gagtccacat 240
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aaatggagct ggagctcga gagtatcatg gcaagtatat atgaaattag cccatanaag 360
ctaggctgga ttctgtgatt aatnatccat taagccctcc tagctagggt agcattctag 420
tc 422

<210> 15722

<211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15722

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tggatgtaca gtgggtcaaca ttggcactca tgacttcatt gaaagaaggg tatgtatgta 180
agccttctag tttccacca taaaagcaga attattgtgg gcatgtacac tgcagaacca 240
caaaatttaa gatttaattt aatttataaa tgaaatctgg tcagatttga ttatttctcg 300
atcaaagtaa ttctcaatca agttaccctt gttntaaat gattccgaat gctggtaaag 360
tatctctata gcatgtaca tatttataca gtcaaagcct ttctctattc 410

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<210> 15723
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15723

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aatgtaaatt gattgatagt aataataaaa atataaaatt catattaatt atgatttaag 180
ttctaaacat tatagatgat atgataaaaa aaatgtgtat aaaaatgaga aattaagcaa 240
taatgagaga aaataaaatt gaataatgaa agagagaaaag agtgtgaccg tcacagcttc 300
caatagattg gtgttgtcgt gcaagtactt gaggaccat gttagaacac ttgctgtgggt 360
gtcatgtgca gcaaagatga caccaatgag attatcaaca acttgagaat ctgtgtgctg 420
ctgatagtac atc 433

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<210> 15724
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15724

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ccgttcaaga agttcttgaa tgaccatcaa aggcctataa ataggtgact tgtgatacga 180
aattcattag agtntttttt aataacattg ttttatectc tcaaaaccaa attgtcttat 240
cactctcaaa atattccttg gccaaagatc tttcaaatc aataaggcat ctgatacga 300
cttcaattgt aatatgcttc ttttaaagag agaaaattct ttttcttctt attcacagag 360
atctgtttta gagaccaatg gtctcttaag ttgt 394

<210> 15725
<211> 396
<212> DNA
<213> Glycine max

<400> 15725
agctttattt gttttggaat caaataaaga accaaaaata gtctcatatt ggaaaaattg 60
ttcatatcgt gtctcaatag aattaattaa ttgatcta atgtataaaa aatactcgat 120
acgaacagat ttttcacgtg aatgtgtgat ctctacta atattttcat caaaatgaga 180
ttttctatga attttacgtt tttcacaaaa ttttggtctt atatccattt cgatagccat 240
tttttctgtg gattctaaag tcgatgcaaa cccgtcttcc ctataatgtt ttatataagc 300
gataagacct tttaaagat ctatagcaac atctatatgc atatcttttg attgtacaat 360
cctgctaaca gaaattgcaa caaacaacat atcata 396

<210> 15726
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15726

cttttcacat gaatgtcga ttcgggcgca taatatgtcg agaagctcga aattgaacaa 60
cggaagctct tgagaaattc aaatggatcat aacttttcac acggatgtcc gattcaggct 120
tataatatat cgatacgctc gaaattaaac atcagaaact ctgcgaaat ttaaattggct 180
ataacttttc acacggatgt ccaattcggg cgcataatat gtcgagaggc tcgaaattga 240

acaacggaag ctctcgtgag attcanatgg tcataactct tcacatggat gtgcgattca 300
 ggcgcataat atgtcgagag gctcgaaatt gaacaac 337

<210> 15727
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all locations
 <400> 15727

tccgacatcc ggtgnaagtt atgaccatta gaatttctca agagcttccg ntgggtcaatt 60
 tcgagcgtct cgacatatta tgcgcccga tccgacatcc gtgtgaaaag tcatgatcat 120
 ttgaatntct cgagagtttc cgatgtttta tttcgagcgt atcgatatat tataagcttg 180
 aatcggacat ccgtgtgaaa agttatgacc atttgaatgt ctcaagagct tccgttgttc 240
 aatttcgagc ctctcgacat attatgcgcc cgaatcggac atccgtgtga aaagttatga 300
 tcatttgaat ttctcgagag tttccgatgt ttaatttoga gcgtatcgat atattataac 360
 cctgaatcgt acctccgtgt gacaagttat gacca 395

<210> 15728
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 15728

ttatattcat gacgatcgag agatttgttt ttttgatgag ttatgaatta ttggatatat 60
 cataaaaaag gtgtgagacc atgagagctc taaaataata tctgaatata cttacacgta 120
 cattatatat attagttctt ttttcattgt catacatttt atattatatt atacacgggg 180
 tttaaacttt atgctaaatc aacttctatt attaatTTta caaatccata aaattggcag 240
 aaaagctacg tcatctagtt aacgaagttt tttatgcttc aaggaatttg aaattcacta 300
 tatagacagg cctgatcaat tgtcattagt tatttaatgt cacgtaaaca aattaattaa 360
 ttaaacaaaa cgaatg 376

<210> 15729
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15729

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tctgaccat acttcttttg gaagctgata attcanagga actgatgggc ctctattgat 120
agatatgtt gtttgttllc tggctctctc ccagatgtt ttatgcaagc ccgattggat 180
ccacaaacac ccgctctctt tglccaaggt tttatccan cttctacaa caccatttg 240
ctcaggtgtt cctagtattg gcttaataat tctgattcca tgttctgaac aaaagtcctt 300
anaatcctga ctatcatact ctctgtcatt gtcagatttt agactnttaa cctttagacc 360
tgtntgattt tcaacttctg ttgtccactt ttaaacacag aaaacacatc a 411

<210> 15730
<211> 325
<212> DNA
<213> Glycine max

<400> 15730
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atgcagagct tgcgtcgttc aattttgagc atctcgacat atgatcagcc tgactcggac 120
cttagtgcca aaggatgac catctgaatc actcaacaac ttgcgatgtt gattctcgag 180
cgtctctata tgagaatcgc ctgaatcaga ggtgcgagct aaaagtcatg accatttaaa 240
ttgctcaaga gcttccggtg tcaatctcaa gcggatcggg gtgcgacgcg catgaatcgg 300
agatccgtgt gaatagatat gacca 325

<210> 15731
<211> 280
<212> DNA
<213> Glycine max

<400> 15731
gaatcggaca tccgagtga aagtgattat ccttttgaat ttctcgagag cttctatgtt 60
taattatgag cgtctcgata tattatacgc ctgaatcgaa cctcagtgtg aaaagtatga 120
ccatttgaat tcttttagaca tacgatgtca ttttgagcgt tctatatgtg atgaccttat 180
cagacctcct gtgaaaggat gacattgaat tctcgagagc ttogttgtca atttcagcgc 240

tcacatttat gccccgatcg acatctggga aagtatgaca

280

<210> 15732
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15732

ctcggatggt ttatttatgc gcataatata tcgagacgct cgagggtgaa taatggaagc 60
tattgagcaa ttccaatggt cataactggt aaactcggaa gtccgattga ggcacataat 120
atattgacac gctcgacatt gaacaacgga agctctcgag atattcaaatt ggtcataact 180
tttaactcgg aagtcngatt gagacgcata atatatcgag acgctcgaaa ttgaacaatg 240
gaagctcttg agcaattcca atggtcataa cttataactc ggatggccga ttcaagcgca 300
taatatctcg agacgttcga cattgaacaa tggaagctct tgagcaattc aaatgggcat 360
aactcttcac tcggatgtac ga 382

<210> 15733
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15733

acctatactt aacagaaaat acttataaca caaaatgaaa atactaagta tttttgggcc 60
tttagggctc cataatatag gtaagggtacc ctagaaatgt aacatttttc agtccttgta 120
ttttagggca cctagactag ttttttgtat taggggtagt tttataattt cacatgcatt 180
aagtgaatat ttgatgtgtg tgggttgtaa taaatntaat tgaattggga gaagcccaat 240
ccaattataa tttagagggg gaggtgagca tttgcttgta caccctattg cacatcatat 300
agcacacttt gtgtgtgcct tcat 324

<210> 15734
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15734

ctaaaagctt ttcaccctta tcgacgattg aaaaaagctt ttaatggaag tcaggggaat 60
gaangcccc cagaaccatt aactggaaac caagttcatg atcgcgtaaa ggacattgta 120
accgtgtttg ggaagtccca gaagaagaca tcatctccca acaacatgtg gaagaaacgc 180
tcaatattct ttgactctcc atactggctt gatctatatg tgcgtcactg tctagatctt 240
atgcatglgg agaaaaatgt gctgcatagc ctactngta ctctctctaa ca 292

<210> 15735
<211> 303
<212> DNA
<213> Glycine max

<400> 15735

ggctggctat tatagaaaga tcattgtatg attttctaaa ttggcattgc ccctaactaa 60
gttgactcgt aagaatgaga agtctttctg gaatgagaag cgtgatcaaa gtttccaaga 120
gttgaagagg cggttgacga cagctccagt gttaattttg cccgaccctt atagaacatt 180
cgaagtgtat tgctatgcaa gcgggcaaag cttgcggtgt gtgttgatgc aagatggaag 240
agtactggct tatgcttctc gtcaattacg tcctcatgaa ttaactatc cgactcatga 300
ctt 303

<210> 15736
<211> 329
<212> DNA
<213> Glycine max

<400> 15736

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ggcaaccacg ccaggatcga cagcattccc gtgcagatgg gcacggccac ggccggcagc 120
acgcccttcg agggccggct gcagctgacg gacaaccagg tcgatgcccg aagcggcacg 180
gtgcgcgtgc gcgccgtctt cgacaacaag gatggcgccc tcatgcccg cagttcgcc 240
cgcatccgca tgggccaggc gcgcgacagc agcatgctgc tggtcagcga gcgcgccatc 300
tgcacggacc aaagcaagaa gtacgtgat 329

<210> 15737
<211> 394

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15737

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ccgaatgac cctcttttca cctttgttta atglaatgt tgcagctctg acctccttg 120
agfcaatigt gcaactgttg tcaacatctg cctggatca gaatactctt tttttaaa 180
tggaacaaat ggattataat ttataaggat gtgctactaa aactggttaa cactaccttt 240
accattctgg attctattta caatgttact tttccctact tgcataacaa tgtgtgacta 300
aatgatactc agaagtcttt cctttgtaag actatatctt tagaatggaa ttataaacac 360
tacccataat ataggtcaag ttacaacttg aaca 394

<210> 15738
<211> 363
<212> DNA
<213> Glycine max

<400> 15738

agcttatatt tattatactt acgtcatagg attaacagaa tagcttatat cacattataa 60
aaaaaaggat gacacactga tgataattta aaaagtttta caccagcatc taatcccaac 120
ccatcttgta tgtaagata gttgattctt atgctaatta ctttataagt tatatcaaca 180
atgatgatat aatttaataa cggataaaaa ctattttata tatgaggatc aactcattac 240
attaacaata aaattaccaa gagaatcatg tcttattcta atacgaatat tttataattg 300
attattagaa taaacaaaga tttctctttt ctcttgctta ctaattgaat gtatcctttt 360
att 363

<210> 15739
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15739

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aacagaagct ctgagcatat tcaaacgaca ttaactnntt tctcggatgt acgattgtgt 120

cccttagtat atctagacgc tcgcaattga aaacggaagc tcgtagcaaa ttcaaacgac 180
aatacacttt aactcagatg tctgactgag tctttagta tatcgagacg ctcgatattg 240
aaacataagg tctgagcaaa ttcaaacgac tataactttt tactcggatg tccgattgag 300
tcccgtlaata tatcgagacg ctccaaaltg aaatcgtagc tcttagcata ttcaaacaac 360
aataactttt tactcggatg tccgattgag tcccataata taicgagacg ctccacaatg 420
aaaacat 427

<210> 15740
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15740

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gttgcaactg acacagtaac caagattgca tttttttacc cctttcttcc ttctccagca 120
tcatcaaaca tcacaacaca aacctcaaat gcttactacc accaccactt tttcttgctt 180
cctcttcacc ttctcatca ccacttccac catggcttct atgggttgag ctgtgggggt 240
gaactggggc accatggctt ctcacccact tccacccac aagggtggtga agctcttgaa 300
gtccaacagc atcaacaaag tcaagctctt tgatgccaac tctgatgttc ttcaggccct 360
ttctggctcc aacattgcta gtactgtggg tgttcccaac actttgctca gaagcttgaa 420
ctcttctaag aaagctgctg atagctgggt ccatgataat g 461

<210> 15741
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15741

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atatcttaag aaggcggggc gcgaatgaag atatgaccaa ctatttacc taatcaaaaa 120
tctatattac tgctcaacca acgtatgaat tcccttaatg acaatcttct taaatattaa 180
ttcanatgag acactttgaa tatgaatata atgcactcat agataacgga gaataacgga 240

agagaatatg cgcactcagt tctatactgt ttcggccaca cccgtgtgcc tacgtacagt 300
 cccactaaa cccgctagag agttccacta tcttagaaat gctttgtaca agttctaaac 360
 acacaaagac aatccttcct tt 382

<210> 15742
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 15742

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 atctaacaaa aaatcctatc atgcattcta ggactaaaca catagaaata atgcattcatt 120
 ttcttagaga tcatgtgtta aaaggtgact gctacattga gttcatagat agtgagcatt 180
 aacttgcaga cattttcact aaaccacttg ctagagatag gttctgtttc attagaaatg 240
 aaataagcat attagatgct tccaacataa aataacttcc tatttgcata atgtgtgatg 300
 cacattgcta tttagacga tgactaattt attctggagt ctctactcta atcaattacc 360
 aagtagttta atcgattact tctctct 387

<210> 15743
 <211> 164
 <212> DNA
 <213> Glycine max

<400> 15743

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 gaaacctctg aatatcaaag agttgagtct aaacttcaag agagaaaact gtgtatcaag 120
 agaataggag tgccatggca gaaatttgaa acagcaggtc actg 164

<210> 15744
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15744

tttctcatgt gttcacttta cccaatctcc gggttcgaag acaaccttct ttcttccttt 60

gttggttgt ttagcatagc ttttattttt cctctcaatt tgatctttga ctcttacatg 120
aagcttcttc acatagtcgc cctttgcttg accttcttta tgcttaaaaa cagaaacatt 180
angcataggc aaaagatcaa gaggagttag tgggttagaa ccataaacia cttcaaaatc 240
atcaaaagtg gtagtggtca aaatctgatt ttgcaaaac aagatatata gtgactgttt 300
agcatgaaa cactctctga cctctctt tgt 360

<210> 15745
<211> 189
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15745

gtcacacgaa gtccgattca ggtgcataat ataccgagac gctcgaaatt gaacaacgga 60
agctctcgag aaattcaaatt ggtcataact tatcacacgg aagtccgatt caggagcata 120
atatatcgag aagcttgaaa ttgaacaaca gaagctctcg agaaattcan atgggtcataa 180
cttgtcaca 189

<210> 15746
<211> 275
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15746

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gatggaactc tntgccgata ttgccccaaa aaccgccgag aatttcaggt atctatgctt 120
ctagtgttaa agcgtttctt ctttttagtgc tagttagagt gcccttggc tttaagcatt 180
gctatcaact tgtgattgaa cttctacgaa aaatcactan ttnttgtttt agtctacaga 240
agtttactca ttttaattgc aaaagtgcag attta 275

<210> 15747
<211> 350
<212> DNA
<213> Glycine max
<400> 15747

agatgtatca cacaatcaaa taaaggggct actcccagat tgttggagac cctaaaacac 60
 ttacttggtc ttgatttaag cagcaataaa ttgtcaagga agattcctat gtccatgggc 120
 gcccttggtt atatggaagc cttgggtttt aaaaacaatg gtttaatggg tgagttgcct 180
 tcttctttga agaattgcag caggttattt atgctggacc tgagtgaaaa tattgtagcc 240
 eggccatcc catcattgat eggccatcc cgcagcaat tgatcattt cgcagcaga 300
 ggaaatcacc ttcattgata taaacccatt cccatt gta ttcagacaga 360

<210> 15748
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 15748

tctgtacctg tcgcaagggc ctgtgggttg agctcctctg tggaccacca tacagacctt 60
 tgcgcttcca tgcagcaagc tagagcaatt gatcggcctg aagcttatgc tgcagatata 120
 tacgatagac ctctcacct gggagcaaat aaaccacagc atgacaatta tgacctctgc 180
 agcggcagat ataaccctgg atggaagaga tagcctaacc ttacatgggt catccctcaa 240
 caacaacaac a 251

<210> 15749
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15749

ccaaagcaca gcttcaaatt tgggcacttt agatgtatca cacaatcaaa taaaggggca 60
 actcccagat tgttggaaat cagtaaagca attactgttt cttgatttaa gcagcaataa 120
 attgtcaggg aagattccta tgtccatggg cggccttggt aatatggaag ccttgggttt 180
 aagaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaatgcag cagtttattt 240
 atgctggacc tgagtgaaaa tatgttgtcn ggtccaatac catcatggat tggacanagt 300
 atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcangata tctaccatt 360
 catctctgtg attt 374

<210> 15750
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15750

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 tctccattca atnctctggt tcagcaggag tcatgtctcc aaaggctcca ccactggcct 120
 catctatcat acttctctcc atattactga gtccttcata aaaatattgg agaagaggct 180
 attctgaaat ctgatgggtg gggcaactgg cacataattt cttaaacttc tcccagtact 240
 catacaggct ctctccactg agttgtctaa tacctgagat atccttcccg atggttgttg 300
 tccctgaagc aagaaatttt ttttctaaga atactctctt aaggtcattc caactcgtga 360
 t 361

<210> 15751
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 15751

ctccatgaga ggcgggatca catggagaat atatatcata atgaagaaga aaggaggaga 60
 agagggaatg atcgtgttcc tatacaaaac cgaattgatg gtattaaact caacattcct 120
 ccatttatag gaaagaatga tccggaggcc tacttgaggt gtgagatgaa aatagagcat 180
 gtcttctcat gcaacaacta tgatgaggac cacaatgtga agcttgccgc cacggagatt 240
 tcccactata ctcttgtgtg gggaaca 267

<210> 15752
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15752

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 gaggaagggt gattggagat gccacttcaa ggagaagaga gtcaagaaca agttcaccac 120
 cataggaagc catggataag agcttgaagg ttggagaaga tgagtggagg gagagggaga 180

gaatgggcac gaaatttatg cctcgaatga ggtctaaaat ttgaagtgtg atttctcana 240
 tgatcaaagt agaaataatg cacacaacag gcctctatct atagcctaag tgtcacatga 300
 aattggaggg aaatttgaat tttattcaaa tttcacttga atttaaattt gtggagctaa 360
 atttggagcc taaagttcac taattatgae tagtgaaatt tancctatgg t 411

<210> 15753
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 15753
 agatggacca tttcaagtgc ttgaaagaat tatgacaatt cttacaaagt aagctacccg 60
 gtgagtataa tgtagttcc acctttcatg tctctaactt atctcttttt gatgcagatg 120
 gagaatccga tttgggacca atcctttctca agagggagag aatgatgacg aaatgaccaa 180
 gagcaagggc aaggatccac ttgaaagact tggacgacct atgacaaggg ttagagcaag 240
 gaaagccaag gaagctcttc aacaagtgtt ggccatacta tttgaata 288

<210> 15754
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15754

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 gttgttggag gatcttttga gagcgtgtgt cttagagcaa aagggaagtt gggagagttt 120
 tctgccattg atagagttca cttataacaa tagttttcac tctacgattg gcatggctcc 180
 ctatgaagct ctgtatggta gaaggtgtag gacacctgtc ataccctaatt ttcgttcggg 240
 gaccagctgt ttgttgggat gcgacctcg tttgaccact tcgaggtact tggcaccat 300
 cgtaggcaa ttcgtgaagt tctgtgacat gccggaagtc aaaagatagc atntgtgcac 360
 aattcgtgaa gttccgtgat gtgccggaag tc 392

<210> 15755
 <211> 397
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15755

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aatntaagat gaaacgacgt agttggcagt gaggcaggag gagtttatgg ttttagcatt 120
gttggtcttg agttgtgttg aactctggag gagagatgaa taattgtata gcaagagagc 180
gtgagaatgc gaggagcagt agagaggaag atcaactgat agtgactcca ttaggcgctg 240
gaaatgaagt tgagtcttgt tcgattgtgg aatacaccgc gcttactctg gcatggctgc 300
tttgccctat ttgcacgaga ttgacccttc catagtcaat gttcttctca tcactcactt 360
tcacttgat catgctgctt ccttgcccta ttttctc 397

<210> 15756

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15756

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aanacactga attggtgaga cacaaagtta caagatttgc taccactttc ttaactntgc 120
aaagattgca taagcaaaag gccaatctta gaaggatgtt tacttcggat gaatggttga 180
agtctaagga agctaaagag tctaagggga agcaagcaac aaatgttgtt cttatgccat 240
cattttggaa tgatgttgtc tacattttta aggctatang gcctcttgta agtgtgttga 300
ggttgggtgga ataataaaaa aacctgcaat gggtttcatt tatgaagcaa tgga 354

<210> 15757

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15757

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cctcttcttc ggccgccact accgtgcgc cttccacctg ctcaacgcac ccaaaatcgt 180

cctcaccgac ctccgattcc gctacctcgc cgccaagtgc ctcgatttct tctggttcct 240
tctctctttt ttcatttgat tattgattaa aaccattcat tgaaaatata catcaattct 300
aataatggga tgtctttttc tattttttatt tanacgagtt gaaacgtgat tcttgaatga 360
attcagatag tatgagttac aacttata 388

<210> 15758
<211> 362
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15758

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atttctccac tgtattccgt gtgacaagtt atgaccattt gaatttctcg atagcattcg 120
ttgttcaatt tcgagcgtct cgatatatta tgcgcctgaa tcggacttcc gtgtgacaag 180
ttatgaccat ttngaattgt cgagagcatc cgttggttaa tttcgagtat ctcgatatat 240
tatgcgctg aatcggacat ccgtgtgaca agttatggcc atatgaattt ctcgagagca 300
ttcgttggtc aatttcgagc gtctcgatat attctgcgcc ttaatcggac ttccgggcga 360
ca 362

<210> 15759
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15759

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acctccaatc tttaatggag agggttacca gtactggaaa acccgaatgc aaattttcat 120
tgaggcaata gacttaaaca tttgggaagc catagaaata ggaccttata taccaccac 180
agtagaaaga accataatag attgaagcac aacaagtgga agcacaacaa tagaataaac 240
tagagataga tgggtctaaag aagatagaag acgagtacaa tataatttaa aagccaaaaa 300
cataattaca tctgccctgn gaatggatga atattntang gtttcaaatt gtaagagtgc 360
taaggaaatg tgggacactc tacaagtaac acatgaaggc acaacatatg ttaaaagatc 420

t

421

<210> 15760
<211> 297
<212> DNA
<213> Glycine max

<400> 15760

agctatztat catttcaaat ggtcataacg tttcactcgg atgtcggatt caagcgcata 60
atatatcgag acgctcgaaa ttgaataatg gaagctattg agcaattcca atggtcataa 120
cttttaactc ggaagtccga ttgaggcaca taatatattg agacgctcga aatcgaacaa 180
cggaagctct ccagaaattc aaatgggcat aactatgaac tcggagggtcg gactgagact 240
catattatat tgtgacgctc gaaattgaac aatggatgct cttgagcaca ttccaat 297

<210> 15761
<211> 302
<212> DNA
<213> Glycine max

<400> 15761

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acaaagatga gctgcccgtt gagtataatg tgagtttcac cttcaatgtc tctgatatat 120
ctctttttga tgcatatgga gaagacgatt agaggacaaa tccttctcaa tagggacaga 180
atgatgatga catgatcaag agccatggca cagatccact tgaatgactt ggagagccta 240
tgacaacggc tagagcaagg atagccaatg aagctgttca cgaatgttga catactatatt 300
ga 302

<210> 15762
<211> 312
<212> DNA
<213> Glycine max

<400> 15762

agcttcttat gttttagttg ataaagatga attcttggct acttcatgca ctctctaat 60
gacaatagca tcgtttctgg cactaaattg ctgggagttt gaagccatct tctcaattaa 120
atttctgggt tcagcagggg tcatgtctcc aagtgtcca ccactagcag catctatcat 180

acttctctcc atgttactga gtccttcata aaaatattgg agaagaagct actcagaaat 240
 ctgggggtga gggcaactgg cacatagttt tttaaattct tcccagtatt catataggtt 300
 ctctccactg ag 312

<210> 15763
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15763

ctgcatactc atcccttate acaagattgc caaaatccaa taactctgcc actggattat 60
 gtgcttcttt tggacaattt gtggaccaca caaccgtgtt gttgtgtgta aggaccaa 120
 tgccagaact gtttagtctc aagatggcag aggaatcatt tattgggttg ccaccgtttg 180
 caacccaaac aacattttgt gacggattat tcttgaacca aatccccagg tagcttttgt 240
 ttggaagtcc aagattgaag aaaccaagct canagattcc cctttgggaa accatggctc 300
 ttccaaaact ganggattgg gactgtgaaa tggatgatgt g 341

<210> 15764
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15764

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 gtggcatctc caatcacctt tctccttct ncattttgtt tccattgatc ttcaagaaac 120
 aaaggactcc attgatgaag aagatccaag gcctaccagc tcaacatgga gctacatcat 180
 gtggtatcag agcatcttca tctaggtgat gatcttttgc ttcctctatc tntntgcttg 240
 gtcaattcac tataattcct tgggtcttcat cttcttctcc atgtatctcc tccattgctt 300
 gtggcttggc tctgtntaga gtagattcaa aaaaaataa accgattcaa tcttagatct 360
 acacttgctc ttgcatttct atgggttcaca tntaatagat ctactcttga atcatgtttt 420
 a 421

<210> 15765
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 15765

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agtggctgtt cttagactctg tcattcttgaa ggtglacagt ttttgcttca agcatagctg 120
atttgcaagg gactttgtca tatacaatga ctccagtttc aaccacattg aggctgctgt 180
cttttctctt gcaactttctc ttaaagcttt atctccaagg tatataatga ttgcacttct 240
ggcttttagca atcatctctg atttctcctt tgagcttaga gattcagaca tcttttcttc 300
tcctttaaga gcttctgcac aaccatgatg aatcaagatt gcttccatct tgattctcat 360
aaoccacagt cattttccct gaaaacttct ctatatcgta ctttgttggt ccactctt 417
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<210> 15766
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15766

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aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattntggg gtccaaaaga 360
ctctagaaac attacaagaa catttttatn ggctcatat 400
```

<210> 15767
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15767

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agcttagttc tatatgggat gaaccttttc aggttttggg gaggatcaat aacaatgcct 60
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ataggttgga cctcccagaa gaggatggag tcaggaccac ttttaacatt tctgatttaa 120
ctccttttgc aggtggagct gatattgagg aagaggaact aacagatttg aggtcaaact 180
ctcttcaagg ggaaggggat gatggaatcc tccctaggaa gggaccaatc actagaacaa 240
tgagcaagag gctccaagaa gattgggcta gagctgttga agaaggccct anggttctca 300
tgaaccttan gatagaatc tgagcccatg ggcccaaggtt gggccaatc aactt gac 360
atattagact angatgtcat tatanttggt ccttgtatat agggctccat att 413

<210> 15768
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15768

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cacaataggc aagagagcac cctggacttg tgttgcatth gcaagctcct cgggagtaga 120
atcaccagcc tacaataaaa caacagtttc acatgacaca caaacatctt tcatttcgac 180
cttcatcaga aatgaaaatg cctaccacaa tcaaaataga taatggaaca tctgaattac 240
cttaaccttg tgtgcccgtc ttgggaacac aaccaatttg gccttgtatg ttttcagcct 300
ctgcacatta gcttgagac tttccaaaga acggttcttg cgacgatgat caacagcaat 360
acctatgggt ggtgcaagct ttttgggaat cctgtctgcc tatggcataa tatanaaaat 420
acataata 428

<210> 15769
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15769

ggcttgctat cttgggtata aaagaaaccg tctgtgagtc atatgagaat ttttggttgt 60
acaacatatg cattagttga tttaaggact aagctggatg ataaatttgt caaatgtgta 120
tttattggct atgctactta gtcaaaggca tacagactgt ataaccact aactggcaag 180
ataattgtca atagaaatgt tgtatttgat gaagatgcac gctgggtttg ggaggaaatgt 240

gaaatcagta aaagtgttta tcagaaatca gtcagttntg atgggttcata ggaggtctca 300
aatgtgccag aaaatgatca cactccaagc cctcattcaa cgccatcaag ccagggatca 360
ttaac 365

<210> 15770
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15770

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cattggttgc ctgtgattta actgtgcaaa agtgaggaaa gaattcagag taaactccat 120
tatctttggc aaatttactt aacttgatg gatttttagt gatggaggga gcatgtaaca 180
agtaatgaag ataaagagga aaactaggat tagtagggga cttataagaa ggagaaccag 240
aaccaagaat ttttaaactt tcaccattac caatataaat ctgatctcat ccatcanagt 300
gaccaagctg atgaatattn tgtggttctc cagtcacatg gaatgaagct cccgagtcan 360
ggatccaggt tgaattagca ttgtccatga g 391

<210> 15771
<211> 416
<212> DNA
<213> Glycine max
<400> 15771

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tgtcttactg gtttagctcc atcctctaaa tttattogat gcatacatgt ggatgggcta 120
ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaattgac 180
aacaacttct cctcttggtc atcagcaagg gaggcagata taatcactgg aaaactcttg 240
ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtggtc 300
cgctggacag tggtagaagg agatggtttc tcagccttta cctcataaag aaagtcagag 360
gtatgtgtac ttctgaaac atggttagtc ctatctgact ctataaaaac aatctc 416

<210> 15772

<211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15772

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agcttlltcta ctattgccac tctactcagg aatlcgtgag ggatatgttg acgaggaaca 60
ccacgcttc ctccaggaga atgltgttgt ggaaagcaac tctagtgctg tctatagac 120
aattcttccg ccaacacgta atgacctgg aagtgttact attccttggt caatcagaga 180
agtcactgtg ggaaaggatc acattgattt gggagcagta tcaacctaat accactctct 240
atgtgtataa tgttgtgaga gcttggaaac atgccacga gaatgactnt acaacttget 300
gaccgatcca tctcaagacc ttac 324
```

<210> 15773
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 15773

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agcttgaatg ttctataaga tgagtggaga acaaaaacta cccctaatac aaaaactagt 60
ctacgtgccc taaaatacaa gggctgaaga tcttacatta caagggtatc ctaaacttgt 120
ggggtaccct ccctacatta tggagcacta aatacaaggc ccaaaaaaat aatgaaaccc 180
taatctaata tatacaaaga taagtgggat catacttagc ccataagccc aaaatctatc 240
ctaacgctca tgagaaccct atgggtcttct cctgcatctc tagcccaatc ttcttggagt 300
cttctattca atgcccttgg agggtaggat agcatcatta ggggtgccta aaagcaagat 360
attcactatg gtact 375
```

<210> 15774
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15774

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agctttatta ttatagaata tccaaggaga atacctggat ctgacttatc atcaaatttt 60
cctaagttat cttttccatt attcaatata aaacatttac aaccaaagat ataaagatgt 120
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gagatgtttg gttttctgcc attgaacaat tcatatggag ttntctttaa aatgggtctt 180
 attaaagccc tatttaaaat gtagcatgca gtgttaacgg cttcagccca aaagtatttt 240
 ggaagaggag tatcatttaa taaagttcta gcaatctctt ccaaagatct atttttcctt 300
 tctacaacac ccatttgttg agggtttctt agtgcagaaa agttatgctc aatcccatgc 360
 tctacacac ataattcaaa ttctttattt tcaactcac ccccatgata gctctacta 420
 gataaactat tag 434

<210> 15775
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15775

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 gtagcttggtg tcttcttcac agatagggca tgcacgatgg cccttaacac tgcattccact 120
 caaattcttg tatgctggan agtcattaat ggtagaaaat aacattgcac acaatgtgaa 180
 tgtctcattt cgatacccat caaacacaac aacttccttg tctacaact ctgtcaaggg 240
 ttcaatcaaa ggactgagat aaacatcata gacaacatca attattttta cttcatgcac 300
 taccaaggag gtaagttgta aattactagc anaacaagtc acaaactatg ctgagttctt 360
 anatngtcat agggattcat tccatcact 389

<210> 15776
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15776

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 gaagtctgat tcaggtgcat aatatatcga gaagctcgaa attgaagcac ggaagctctc 120
 gagaaattga aatgatcata acttatgaca cggaagtcca attcaggcgc ataatatatc 180
 aagacgctcg aaattgcaca acggaagctc tccagaaatt caaattgtca taactcttca 240
 aacggaagtc agattaaggt gcataatata tcgagaagct tgaaattgaa caacgtaagc 300

tctcaagata ttcaaatggt cataactggt cacaacggag tccgattctg acgcataata 360
taccgagacg ctcgaaattg aacaacggaa gc 392

<210> 15777
<211> 331
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15777

caaacgtctc gatatattat gcgcccgaat cggacatccg tgtgaaaaat tatgaccaat 60
agaatttcta gagagcttcc gttgttcatt ctgtagagcc tctatattgt atgcgcttgt 120
atcggacatc tgagttaaaa gttatgacca tttgaatttc tcaacagctt ccgttgccaa 180
attntgagca tctcgatatg tgattcgcac gaatcagaca tccatgtgaa aaggtatgac 240
catctgaatt tctcaagagc ttccgttggt caattatgag cgtcacgata tgtgattcgc 300
ccgaatcgga cagtcgtggt gaaagttatg a 331

<210> 15778
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15778

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aagagctggc gttgttcaat tccgagcttc tcgatatatt atgcacctga atcagacttc 120
cgtttgaaaa gttttgacca tttgaatctc tcgagagctt ccgttgttct atttcgaggg 180
tctcgatata ttatgcgcct gaatcggact tccgtgtgat aagttatgac catttgaatc 240
tctcgagagc ttccgttatg caatttcaag cttctggatc tattatgcac ccgaatcaga 300
cttccatttg aaaagttatg accatgtgaa tctctcgaga gctttcgtcg ttcaattttg 360
agcgtctcgg tatattatgc gcctgaatcg gacttccgtg tgacaagtac tgacca 416

<210> 15779
<211> 435
<212> DNA
<213> Glycine max

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 ctggcttcag caggggtcat gtctccaagg gctccaccac tagcagcatc tatcatactt 180
 ctctccatgt tactgagtcc ttcatagaaa tattggagga caagctgctc ataaatctgg 240
 tgggtgacgac aactggcaca taatatcttg aatctttccc agtactcata ctagctttct 300
 ccaccaagtt gtctgatgcc tgaaatgtct tttctgatgg cagtggctct agatgcaagg 360
 aagaatttct ccaagaacac ccttctaagg tcatcccagt tgaaaataga cctgtgagca 420
 aggtagtata gccaatctct tgccactccc t 451

<210> 15782
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15782

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 agatcccgag ttcaactctt ccattaataa agaattaaca attaacaatt aataactagc 120
 atttgttgat aaatatatgt ctcaatctac cattccacca cctatatgga agcacattgt 180
 gtcattgtgt gtatgtttta aggtgaagct atataaagtt atatgatatt acatcattta 240
 tattataatt gaaaaaattt atactatttt ttaaagtaga aataaattct cttaaaaaat 300
 gaaaactaaa tataaattat cgtatgagat ttttcttcta taaatagtgg attggtatta 360
 cttatatttt gaaacanata ttcagaataa caaacaactt ctacaaatca atgtttttca 420
 taccttaagc angcatanat aattgaacac act 453

<210> 15783
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 15783

aactataaaa ctcaagctgg gcccttaatt gaataagtca cgccagaatc cagattgtct 60
 gtttaatagg ggtcccgatc agaaaccata ctccaaggga aactgtggag tttgcatacc 120
 atatccagaa aagggacaac aatcttgtgg gcagtgtatt tagggggtaa cacaccaaag 180

tgggctcttt ataatagcga tctacaacca ccagaatagc cgtgaaatcg ttggaagggg 240
 gtaagccgat gatgaagtcc acgctgaggt cttcccatat tgacgacaaa atgggaagag 300
 gttgcaaaag acccgtgggc ttcttggact cgtatttagt ttgttggaga gtggaacact 360
 gagcaagata ttggcgaacg accgaatgaa tttgtggcca taagaaattg gcctatagat 420
 gatgaagtgt catggcgaca cccatgt 480

<210> 15784
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 15784
 ctcagcttcc cttcaactct tcaaagctct ctgagcctct tctcttctct tgaacccatc 60
 cttcttggta agttcagtca atggggttagc tatcttgcca taatgtttga tgaattttct 120
 gtagtagcca gttaacccta agaacccccct cactcccttc acattcattg gggttggcca 180
 ttgaatcaca ctttcaatct tgctaggatc cactgctaca ccagcttggg atatgacatg 240
 gcccaagtat tcaatggtgt gttgagcaaa atgacacttc tttttgttgg ctactaacc 300
 atgtactgct aacagttgca aaacagtttg caaatgctcc aaatgggctt cccaatcaac 360
 actataaact agtatatcat caaagaaaac taatagcat ttcctaagca aggggttaaa 420
 gacatcattc atgaggctct gaaatgtcga ggggtgcattc att 463

<210> 15785
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 15785
 agctttatta tgtttagaga gagagagaca ttaccatgct tgtgtcacat ttagttatg 60
 cttaatgtta tattactatg tttatgtcat attgtacact taatattata taatttttca 120
 aataaacatg tgcttaatgt gtgtgtgaca tatatgggag taatatcaac tgatgcaatc 180
 ctagcccca agggcatttg atagaagact ccaagaagat tgggccagag atgcaggaga 240
 aggcccaagg gttttcaagg gccttatgat agatatgggg cccttgggct cagtagatct 300
 tgggcccatt tcatgtcctt tctctccttc tacctccact catgttcttc taccttcaag 360

ctcttatcca tggcttacta tgggtggtgag cttgttcttg aatcatct

408

<210> 15786

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15786

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ctagctataa ctctaaggct agtgaaattt atttcaaaga ggcatgtagt gcattaaatg 120

cactgtagac tttggatgga cacaacaatt ttcccccttc agccagaggg gaatattctc 180

aattttctcat aggcaatcca tatcgattag ctcgacacaa agttgaagct tttctcgtgc 240

tacaacttta ctcatcatat tcgtaggatt tttatcaatg tgaatctttt ccaacttgaa 300

gtgttgttct tccacttctc gttgcaacaa atgggtatctt acatcaatgt gatttgtgag 360

agagtggtag atcacattct tacttaaattc caaagcactt tgactntcat aatgaatcat 420

gtaactntcc tgcttcattc ccaact 446

<210> 15787

<211> 428

<212> DNA

<213> Glycine max

<400> 15787

tctttccttc ctaagatggt tctctttccc agtccccctc attaagaact agctcctttc 60

ttcctctatt gcccttagtt gaatacacct ttgtttgggt ctctatttgg gtcttaaccc 120

tctcatgcaa cttctttaca aactctgacc tagattcccc ttctttatgt ataaaagaag 180

tgtcaagcgg gaggggaatg aggtctaagg gtgttaaggg attgaacca tagacaacct 240

caaaagggga tcgcttggtg gttctatgaa cccccctatt gtatgcaaat tctacatgag 300

caagatactc atccaagac ttatggttgc cttttagaag agcccttaga agagtggata 360

aagacctatt cactacctct gtttgcccat cagtttgggg atgacaagtg gtggagaaaa 420

gaagctta 428

<210> 15788

<211> 418

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15788

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caaatcgtcc aatttttaat ttccattatg acatcattac ggttaatac ttttaattc 120
acgagatctt ttaaaacatt catccaatat tctacatgta atcaatcact attctccac 180
tatatccaat gtcggtgcta atagtaatac ttaacatatt atttcgagcg aattttgtat 240
aattatcatc atcggttattg aatcagatca tctaacatac aatgattcaa catcttaaaa 300
ataaagagat tcattgcatt cactactaca ttcgattcat tatatgagca cattcactat 360
ccttgatcgn cactatgagt acaaaattat cagcgtatac attttcatta ttttgaat 418

<210> 15789
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15789

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ggtcttgcan gtgaagatcc tcataagcat ctttaaggag tccatattat nntgtccacc 120
atgaagcctt ctgatgtcca agaagatcat atctntctaa aggcttttcc tcattctttg 180
gagggagtggt caaaagattg gctatactac cttgctccca ggtccattnt cagttgggat 240
gaccttaaga ggggtgttctt ggagaaatta atccctacat ctangtccac tgccatcaga 300
aaagacattt caggcatcan gaaacttagt ggagagagct ngatagagta ctgngaaaga 360
ttcaagaaaa tgtgtgcaag ttgtccccac caccagattt ctgagcaact ccttcttcaa 420
ta 422

<210> 15790
<211> 367
<212> DNA
<213> Glycine max

<400> 15790

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catatagatc tttgtccttc tttgcagcaa tctggagtca atgagcaacc tgaagcctat 120
gctacaaaca tttataatag atcccctcag cagcaaaatc aacaacagta gaataattat 180
gatctttcaa gcaacagata caatccaggt tggaggaatc atccaaatct aagatgggaa 240
aatcctccac aacaacaaca gctgtccct cctttccaga atgttggttg tccaagcaag 300
ccatglttc cttctccaa ggcagcaga caccacagac aacagcaac tgaagccat 360
tctcaac 367

<210> 15791
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15791

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cctttttcac cacatctaga atgatgggggt caagtcgtcg ttgtggctgc ctactgact 120
gagctccatc ctctaaaagt atcctatgca tgcaggtaga tgggctaata ctatgaatgt 180
ttgctaaagt ccatccaata gctttattgt gcttctggag cactaacaac aactactcct 240
cttgctcggc agtaaggag gacagagatga aactggata tttttccttg ccctccaagt 300
aagcatactt gaggtttgct gagtagggct tcaactctga tgcgggtggt ggatgaatag 360
cgggaggaac cagtgtgaga gaacaagatg anggttctc agcctgtacc tcataaagca 420
tgtcataagt at 432

<210> 15792
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15792

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gcagagctat tatgaccttt ccagcaacag atacaacct ggatggagga atcacctaa 120
cctcagatgg tccagccctc agcaacaaca acaacagcct gctccttact tccgaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aacccagaa 240

acaaacaaca gttgaggccc ctccacaacc ttctctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc agcaagagac cagagcctnc attcatagcg taaccaatca 360
 gatgggacaa ttagctaccc aattgaatca acaacagtcc cagaattct 409

<210> 15793
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 15793

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 ttatacgctt gaatcgaacc tcagtgtaaa aagttatgac catttgaatt tctttagagc 120
 atccgttggtt cattttcgag cgtctctata tgtgatgaac cttaatcgga cctccgtgtg 180
 aaaagttatg accatttgaa ttctctcgaga gcttccgttg ttcaatttcg agcgtctcga 240
 catattatgc gcccgaaatcg gacatccgtg ggaaaagcta tgaccatttg aatttctcga 300
 gagcttccgt tgttcaattt cgagcgtctg gacatattat gcgcccgaat cggaca 356

<210> 15794
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15794

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 cattcatcat tgaccggtac agaaagtcct tgtgcagatt gttttttccc atgaaagcat 180
 ttttttagtt catattatta taacatgttg ttgactttga attgaagtaa gtaattggaa 240
 aagtgattac tcccaacggt tgtaatatct tttacgttaa actatctact tggatgttaa 300
 tgttctctat tttaagtttt ttgctatat cattgtcatc aaatatctat caatgttatt 360
 tattattaat ttttgttaga aaacttaatc agtcaccttt aatggaatta tttcttttca 420
 ttcacatttt tgtttattca caaaattcat acttattta 459

<210> 15795

<211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15795

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tcaatcatat tctctcccat gttgctaagt cctcataga aatattgaag aaggagttgc 180
tcaaaaatct ggtggtgagg gcagctngca cacaatttct tgaatctttc ccaatactca 240
tataagctct ctccactaag ttgcctgatg cctgaaatgt attntctgat ggaaatggtc 300
ctagatgcan ggaagaattt ctcaagaaca cctctttaag gtcacccctg ctgaanatgg 360
acctgngagc aaggtagtag agccaatctt ttgccactcc ctcta 405
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<210> 15796
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 15796

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gacttccctt ttagatactt aggtgttccc cttttatcat cgagattaaa tgtatgtcat 180
tatgtccctt tgctttccaa gattactggc ctgatttagg gatggagcaa gaagtcttta 240
tcttatgcag gtaagttaga gttgattaga gcagttattc aaggaattgt gaatttctgg 300
atggagattt ttcctttgcc gcaatctgtt ctggaccgaa tcaacgcttc gtgccgtaat 360
tttctgtggg gcaaagcgaa tattgcaaaa acaagccctt ggttgcttgg tcagtagttt 420
gttctccgaa aa 432
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<210> 15797
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 15797

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tatatccctt tttgtatttg ataacatatg gaaattgctc tacgtactct acccattttg 180
catgcctctt gtttaacttg ctttgccctc taatgtactt aagtgattga tgatcactat 240
gaatgacaaa ttccttggtg acaaagtaat gttcacaagt gtggagggct cttattaacy 300
cataaagctc tttatcatat gt 322

<210> 15798
<211> 412
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15798

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cactcgggta tttccaccg tcaacgtgac tcanatgtca gtatgacaga tcttgtgaag 120
gtggccgaca aaagcgaggc tcttgctcct acgtatcctc caatgaggaa ctcagaccta 180
cgtagttctt gataacttgt gagacttgac aaagtctcca ccggaagatg ctgacatctc 240
cggaaagggc gcagatgacc acattggcct ctgctcgtca atcacacttg nggtcactga 300
atgacgaggt gcggataacc gtaagggtgc tccgcgaact accagctctt gngtcatggt 360
aacaanagc ggtgcggtcg acaaaagcga acctcttgct cctacttatc cc 412

<210> 15799
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15799

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ctaatacact cggcaagggtg atacaccaag tgattgatga cacctaactt gtgttcatcc 120
aagacaggca tatactggat gacgttctta ttggaatgag cttgttgagg aagcaagagt 180
aagtggcatg gaaatgatta tgttcaagggt tgatttccag aaggcatatg actcgatgga 240
tcgtgattgt cttatgatga agacggaaga tatgggtttt cttaagacat ggcatgtatg 300
aattcaagaa tgctgtgaaa ctgcaacaat ttttggtata ctaaattggga gtccatctaa 360

agaatatgtg tatgggtcaag gtcttgggta acaagatcct ttatcacctt tcctgtgtct 420

ga 422

<210> 15800

<211> 356

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15800

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ctagctagta tgataaaatc attctccttg actaanatat cctcattaaa atagttaaaa 120

tctaattgta aattagtcta aatagtaata tttttgccat agcacagtat acaatataaa 180

ttgttatttt tatataacta aattcataat aataaaaaca ttaatatgta aatcatatta 240

caattaaagt tcataatana taaatatcta gaacatataa attatatgtt agatntacaa 300

taaataatct atattgtagt acaagagtac tgttaactat ntgataattc ttttaa 356

<210> 15801

<211> 447

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15801

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gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240

gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300

gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattgggt ccttcaaac ctttgagcta ggactctcgg atagggtga aaagaagagc 420

aagaacttgg cgttcgtgtc caatgat 447

<210> 15802

<211> 388

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15802

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ctctaataac tcccacactg tgtgggggtgg ccattcttgg atggccttga tattctcagg 60
gtccacttgg accccatttc taccacactcc azaacctaag ataactatat tatctacaca 120
aaaggtaaac ttctctacac ttgcataagag ggtgttttcc ccaaggactg aaagaacttc 180
tctgagatgt cctaagtgat catctangct cctactatac acttaaatat catcacaata 240
aacaactaca aatctaccta tgaaatccct taagacatga tgcataagcc tcataaaggt 300
gcttgggtgca ttagatgagc ccaaaagcat cactatccat tcatacaaac cagacttggt 360
cttgagagca gtgtctcact catcaccc 388
```

<210> 15803
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15803

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ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccnc tataatagct 120
aagctcacc ccatgaaaaa atacatgaaa taaaaaaaaa tccctactac aaaggctact 180
caaatgcct cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg 240
cccaaacgaa ggataaacct attctaatat ttacaaagat aagtgggctc atacttagcc 300
catgggctng aaatctacc taaggctcat gagaacccta gggccttccc ttggatctct 360
ggcacaatct acccgagtc ttctatccaa tgcc 395
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<210> 15804
<211> 293
<212> DNA
<213> Glycine max

<400> 15804

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aagaatgtgg catttacctg tggtgaaaaa caagagcaag cctttgcttt gctcatagaa 120
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aagctgacta atgcacctgt tctagctctt cctgacttgt ctaaaacttt tgagctataa 180
 tgtgatgcct ctggagtgagg agttggagct gtattgttac aacgtgggca ccatattgct 240
 tattgtaatg aaagacttca tagtgccacc ctcaactacc ccacctatga taa 293

<210> 15805
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15805

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 atggtattaa actcaacatt cctccattta aaggaaagaa tgatccggag gccacttgg 180
 agtngagac gaanatagag catgtttttt catgcaaca ctatgaggag gaccataagg 240
 tgaagctcgc cgccacggag ttttccgact atgctcttgt gtggtggaac aagctacaaa 300
 atgagagagc aagatatgaa tagccaatgg ttgatacatg gacagagatg acaaagatca 360
 tgangaagcg gtatgtgccg gctagttact caatggactt gaaattcaag cttca 415

<210> 15806
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15806

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 actaaattgc ttccatttgt tntcgttcca tatcatttct aggacattgt gcgagactaa 120
 atttgtctcc tttctgaatt ggaacgggtg atgctgagca cttttccatc ctaaacctct 180
 ctagtanttt attgatatat gctttctaag acaagcctaa caatccttgt gatctatttc 240
 agaataattc tatccctatc acatagcttg cctcaccatc attcttcatt ttatagttac 300
 tagaaagaaa cttcttagtg tctgaaaaaa ctatatcatt agttgcagca ttatcatca 359

<210> 15807
 <211> 366

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15807

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catattctag acatgaagag gcacaagctt gaagacaaga ctatacgagg tatcttcctt 120
gggtatagca atctctctca gggctacagt gtctacact tgcadaactaa gaaactcgic 180
atcagtcgag atgttgaagt tgatgaatat gcttcttgga attgngatga agaanaagtg 240
gagaagaacg ttcttatacc tgctcaacta cctcaagaag aagatgagga agaagaccca 300
ggtgaaccac cttcactctc caccacacaa caagatcaag aactatcatc acccgagtct 360
actcca 366

<210> 15808
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15808

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gtccatgaaa cttctctgtg tcacttgatg aatgagcccc acttaaaaag tttgaatatt 120
gagggtgaatt atctttctgg gtgtttttca agagagcaag ttcttgaagt acttgggggt 180
tatgtggaat cctctgtctg ggttatggac gctgctgcta taatggcaat tgcacttgcc 240
aatgganggg tgagttgagc aaattcaatc ttgggagttt ttaatcacta tggttgatgc 300
tccatagatt atcttttaat ttttttttat gcagggtgagc cccctgattg gcaagatttt 360
gttgatcat caccttgctt ctcatcaatt cactatc 397

<210> 15809
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15809

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acatgcacag tggccaagga tgcattgggag atcctgaaaa ccactcatga aggaacctcc 120
 aaagtgaaga tgtccagatt gcaactattg gctacaaaat tcgaaaatct gaagatgaag 180
 gaggaagagt gtattcatga cttccacatg aacattcttg aaattgccaa tgcttgact 240
 gccttgggag aaagaatgac agatgaaaag ctggtgagaa agatcctcag atctttgcct 300
 aagagatttg acatgaaag 319

<210> 15810
 <211> 452
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15810

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 tgccccacat tatttccatg acacaaatgc aaaaatgatg atttggaac tttatgcaa 120
 actggtcatg catgcatcta tgcggacact caaatgtcaa attnttatgg tcatgtgatg 180
 ctagggccca ggattcattt cctctatttt atatcaacc aatgtttcca aaatatgttc 240
 ttttatccat ttgtgcattc atccaagtcc atttcgggcg tccgggaaaa tttcacagca 300
 ttcacccttc aggtttacac acattntttt tccanaaac tagctatgaa ttagcgaatt 360
 ttcttcanag aaaagttgga agtcatctct tttcaaaagc atgtttggtt ttcagctaga 420
 caaactattt ttcttttttt tctccttttt tt 452

<210> 15811
 <211> 113
 <212> DNA
 <213> Glycine max

 <400> 15811

ccttgaatct tcttcatcaa tgatgttact tgcttcttga agatcaatga caacagaatg 60
 gagaatgagg aatggtgatc gaagacgtca cttcacatat aatatgagtc aag 113

<210> 15812
 <211> 359
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 15812

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caatgaacaa cgaagcactc gagaaattca aatttcataa cttttcacac ggaagtcctg 120
ttcatgcgca taatataatc tgaccctcga aattggtcac cggaaagctc tcgagaaatt 180
caagtggcca taacttttct tacggaagtg cgattcagga gccctatata tctangtgc 240
agcctatgac caccggcagc tctcgagaaa atcanatgga cataacttcc caatcgcatc 300
gtctgattca ggtgtagaat atatcgagac gcactanatt gaacaatgaa agctctcaa 359

<210> 15813

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15813

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tggaaggcct ctcatntgtt acatgacaat cttggacgag tcaatggggg gtatgctggg 120
gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180
gacctatgaa atgaattact cgttgctcga aagaacgtgt tgtgctttag tatgggcac 240
ccatcgcta aggagtaga tgctgagcca tactacctgg ttgatatcca agatggaccc 300
ggttaagtac atctttgaaa agccagctct caccgggacga atcgcccggg ggcaagtcct 360
gctatcncga attgatatag tctacgtca 389

<210> 15814

<211> 297

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15814

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tctgagtcac ctctatgtca tactgagtgt acacagagac aaactctcca attgccatgc 120
tacaagcccc agcaactaat cctgcaaaac cagcaagaag catggcactg atgtctntct 180
taacagctcc aacacccatc atcagtgaag caacagaaac caacccatca ttagctccta 240

acactgcagc tcgaagccac tgggcccttt gagagtaatc aataatgcta ctactct 297

<210> 15815
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15815

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ttcacttaat gccaatgat ttaagatgaa atctaacatg atatcagagc ttatagtccg 180
tcttagtttt ctctaccatg tnggttgaaa aagcagcagt acctgagatt ntcattccagt 240
tgtttgtctc ttagaagagc acctacatac tactaatctc attaacagtt aatc 294

<210> 15816
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15816

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caacacacat canatagtgc actgaatgca tgtgaaatta taaaactacc cctaatacaa 120
aactacccca naaataatga aaccctaatc taatatgtac aaagataagt gggctcatal 180
ttagcccatg ggccaaaatt ctaccctaat gccttcttca gcagctctag cccaatattc 240
ttggagtctt ctatacaata cccttgaggg gaggattaca tcatatgtgg atattattct 300
tgatagttta atatgccaat gatggacaaa gtct 334

<210> 15817
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15817

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caacagtcac atctttntat gtggttcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacat gaatttgaca agagtttttn tgaacaaaaa ggtcttatcc tcttaaaaag 180
aanaatcggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300
ttcttcattc tg 312

<210> 15818
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15818

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gctcgaaaac ctcatacatg tcaagtaa^cc ga^aaaacattt ttctgggtgtg tgtgttccca 120
ttgccacggc ctcaccataa ttcaagagat gcagcatgaa actctgagaa atttcagata 180
agcagcattg ataaaaggat ccaaaatcac caaggatttg ctcacacaat cgtttctcac 240
tgacgaggta caccgaaca atgatcttca tggctcgaat ccatttcttt atctcgttgt 300
tcaagcaatg ccactccagt tttatcacat ccttcattct taacttt 347

<210> 15819
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15819

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agtgccgaag aaaaccggcc tcaccgtgat aaaaaatgag aaggaggagt tgattcctac 120
tcgggtgcag aacagttgga gagtctgcat cgactatatg aggctgaacc aggttaccaa 180
aaaggaccat tttccctgc cattcattga ccagatgctt gaacgcctgg caggtaa^atc 240
tcactactgt ttccttaatg gttntctgg ttatattaaa tcactattgc tcttgaggat 300
cangaanaaa ccatattc 318

<210> 15820
<211> 233

<212> DNA
<213> Glycine max

<400> 15820

tatgctgcag acatttacaa catacctcct caacctctgc agtttaatca accacagcag 60
aacaattatg acctctccag caacagatac aatccccgat ggaggaatca ccctaattct 120
atatggtcta cccctcaaca acaacaacag cagccctgct cctctcttca aatggaigct 180
ggcctaagca agccatacat tcttgcacca atccaacaac agcaacagac cca 233

<210> 15821

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15821

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tctggaaagt gtgcgagtgt tgtgcaaaga acaaaggana gggattcaag agatggcaaa 120
tagattgttg gcacaaaact atggagttgt gtgcaatttg aagcactaag agaaacaagg 180
ttagcgagat gtccaactga tttatgaatg ctaaccaggt tctcgcatcc atcaagtatc 240
aatntcttta aattcatggc tctagacaca tcaggaaatt cagaaacctt atcacaaccg 300
gagatattca tgtaagtcaa atggtcaaac tgcaaaacat acataanac agataatcaa 360
ttaacaacag tacatcaaaa tcatgtcaat ta 392

<210> 15822

<211> 284

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15822

ggatgcaact gtgatcttat acccatatca gctagatctt gacgggtatc aagccatcct 60
tcgtcttgcc ttgaatgtta aagagcgtcc caatcacact gtcancaaac attttctcca 120
catgcataac atcaatacaa tgtctaactg caagatcaca ccagtacgga agatantaga 180
aatggacctc ttcttcatat gcaactctga ctttatcctt cttttgggct tcccaataca 240
ctgttcaggt gtgaaccac tgatatacct gtcaccaggt caac 284

<210> 15823
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 15823

tcttccacgc caatagggtc catctcagca agtaaggcca tattgacttt atcaurata 60
 gctgtaatcg aggaatctgg gaatatctca tagtcatcca gccttgacgg ggcttgtcta 120
 tttctctgag gtctcgttga tactgcatca tcatgaacaa cattgtcttc tgttcctaca 180
 tccgtgttta gaccttcaat tctggttctc aattcagatg tgccctactt atcactccaa 240
 ttccaggatt gaccctcatc aaacttcaaa tctctactca acactagttt ctgagtttga 300
 ggattaaaaa ccctgtatgc accagtagaa tggttaaccga gaaatatgaa gttctcactc 360
 ttgtcatccc aatttctctt tattgcgtct ggaatatgct tat 403

<210> 15824
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15824

tgttgctttg tgtgaggga ccatantctt ttgttttctc tctgnctttn acaataagta 60
 tgtggtcaag atacaccact tgagtcatga aaccggttcc agtggagaca ataattgagg 120
 ttccaagggt gttagacatc atggttgcac ggtangcaaa catctcactc atgtggttct 180
 tcaacacttg accaatgtta ggtggcattt taccacttgg tatagtggct tttgtttgca 240
 atgctactat gtgccttact tgcacaactt ttagtgggaa cttttcatta agctgttctc 300
 tagacaacat tattccgtta gaaccttctt gaacaacaat tacctaaatt gataacctta 360
 ttctgggttag agtcgggtga acaatcatgt tgtct 395

<210> 15825
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15825

ctaagcttgt accgaattct tcacgctct aattatcaga ttgatgagat tcgattaata 60
 taaatggctc tggatgtggt atgaaataat tacactcatt cctttccaac catcatttac 120
 gtcaataaac tttcacattt tgaaattctc caatttacag gctaggggca tgaattgctt 180
 acacaccagc acacctacaa ttgttcctcg agatcnaaag tctccaaatc ttttggttga 240
 taagaactgg aatgttaagg tatatgattg aaaacttatg cagggtataa ttttggctta 300
 ttctttatta tcgcataaca taactaaaga gtgccataaa aagtagtgca ataaaataat 360
 aacaagacga tgatgatgat gtctngttgg atgatagttt atgatggaaa 410

<210> 15826
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15826

agctntntgg ttattataaa acaatgggca atgggttaaag aaagattgtg aaaaagaatt 60
 ggttggaaga atatcatata tgtatattga atgtgtgcaa aattcatgct tttatagact 120
 cttcatgtct ggtcaaagaa accattggaa gagtnatgac ttttgagaaa accatgttaa 180
 gagttataac tcttaaaactt ttcttcnaaa ctgttcactg gtaatcgatt accacaaagg 240
 tgtaatcgat tacacaatgc attttatgaa nagttgtgac tcttcacaat tggatttgaa 300
 ttccaaccgt cagaatcatt tgtaatcgat tactaatata nggtaatcaa ttagactatt 360
 tgaanatcat tttggaatg 379

<210> 15827
 <211> 289
 <212> DNA
 <213> Glycine max
 <400> 15827

aggaaccccc agctataatg cgttcttttg aacctctatg tcgtctggag gatgaaggca 60
 acgagttcta tatccagagt aagaacaata tgtgttgggg gtgggtgaagg aaaccactac 120
 ttacggtatc aataatccca tcgtgttaca aaacacattt cccttgacat ctgaaaagcc 180
 atcgttctca tgacattgtc ctactttgtg tggatttctt tgaagttgca catgctgctg 240

cagaaaagta tatgagaaaa gtagctgttg aatttgggat tcctctcta

289

<210> 15828

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15828

agctttttct catttctcat tccagacaaa cttctcattc ttatgagtca gtttagttag 60

gggtagtgcc aatttagaaa atccctcaat gaatttccta taatagccag ccaaccccaa 120

gaaactntga acttctgttg gagttgtcgg ttgttgccac tccataaccg actccacttt 180

aattggatcc acagcaaccc catctttaga aatcacgtgc cctaagaact gcactttctc 240

taacccaaaat tcacatttcg acaatttggc gaacaatttc ctatccctca ggatattgcaa 300

cacaattctc aagtgccttt catgtcctc cttattcctt gaatacacta ggatattcatc 360

aatgaacaca accatgaact 380

<210> 15829

<211> 325

<212> DNA

<213> Glycine max

<400> 15829

tgtgcctctt catgtctaga atatgaatgt agcatataga tttttagacc cttacgtgct 60

tttctgatgg cttcttcccg ttctaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaatagtag tgtagattgc ttcagcccag aatgtgtag 180

gtagtccctt ctcttgagc atcgatctag ccatttccat aactgtgtga ttctttctct 240

cggacactct attttgttga cgagactatg cgactggtag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcatac tcacg 325

<210> 15830

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15830

ttgcttctta tgtgtgacat aaaatagtca cgataagatt tgattggttg gcaatacaca 60
 ttttaattata ttatttgtat ttctctcatt atttcacttc tcatatatga tccacacaaa 120
 catataataa agatctaaga caagccttgaa agatgatctg ttttaagaaa tctggaaggt 180
 gattattaag aaggaaaaat attttattca gattaatttt attgtcactg agaaagaaaa 240
 aggggat ; tgggtaaaa gtcctacag cctcagatat caccattata ctctcagag 300
 aggggtggtta gttttaaaaa ataattatnt tatgatgaat tanatgatga tctatcattg 360
 acagagaacg taaattttatt ttacacatat gtatgaacat caaactcata nattacata 419

<210> 15831
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15831

ctcaagcctg cattctatgc ccagaaagta ctcaagagtg ctattttgct taatataana 60
 ggnancatnc aacttggtca cgatgagggt aatagcagtg ttggaggaac ccgtgatgat 120
 tatatcatct acataaatga gattaagcag gcagcaacca tgttttgtga atacgagaag 180
 agagggatca cacttggtt gttgaaaacc aaaggagatg agagtatttg tcaaactctc 240
 ataccaagcc cttggggcctt gttgtaaacc atatattgcc ttgtgaagtt tgcatacaag 300
 agtggattca cccttgatta aagccttg 328

<210> 15832
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15832

ccttgaatct tcttcatcaa tgatgttctt tgcttcttga agatcaatga caacagaatg 60
 gagaaggagg aanggtgatt gaagacgtca cttcaaagag aatatgagtc aagaagaaac 120
 tcaccacaat aggaagtcac ggataagagc tngaaggtn gagaagatga gtgaaggggag 180
 agggaaagaa gagcacgana tttatgcctc anatgaggtc taaactttga agtataattc 240
 tcaaagatgc aaagttgaaa aaaatgcaca cacaagacct ctatttatag cctaagtgtt 300

acacaaaatt agaggaaaaa ttgaatttct attcaaattt ca

342

<210> 15833

<211> 356

<212> DNA

<213> Glycine max

<213> unsure at all n locations

<400> 15833

cctcgaataa acatcgaaac tcttagactt tcatatggcc ataactntnc acacggatgt 60

ctgattcggg cgcataatat gtcgagaggc tcgaaattga acaatggaag ctcttgagaa 120

attccaatag tcataagttt tcacacggat gtccgaatca ggcttataat atatcgatac 180

gagcgaaaat aaacatcgaa aactctcgag atatcatatg gccataactt ttcacaccga 240

tgtccgattc gggcgcataa tatgtcgaga ggctcataat tgaacaacag aagctcttga 300

gaaattcaaa tggtcataaa ctttcacacg ggtgttagat taatgcgcat cacata 356

<210> 15834

<211> 381

<212> DNA

<213> Glycine max

<400> 15834

agcttttcgt ctcggatttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcaciaag 360

caatccaagt ggagcaacaa t 381

<210> 15835

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15835

tgaaattgaa caacggaagc tctcgagaaa atcgagttgt cttttatatt ttcacacaga 60
 tgtccgattc ggggaaataa tatatcgaga cgcacgatat tgaacaacgg aagctctcga 120
 gaaaattgaa tggtcataac atttcactcg gatgttcgat ccggggacat aatttatcga 180
 gacgctcgaa attgaacaac cgaagctctc gacaaattag aatggtcgta acttttcacg 240
 cgaatgctcg attcggggac ataactcacc tagacgctcg aaattgaaca ccggaagcgc 300
 tctcgagaaat cgaatggctc taagttnlca ccgggatg 336

<210> 15836
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15836

agcttcttgt tatattatgt ggcagaatcg gacttctgtt tgaaaagtta tgaccatttg 60
 aatttctcga gagctntggg tgttcaattt cgagtgtctc gatataattat gcacctgaat 120
 cggacttccg tgtgacaagt tatgaccatt tgaatttcac gagagcattc gttgttcaat 180
 ttcgagcatc tcgatataatt atgcgcctga atcggacttc cgtgtgacaa gttatgacca 240
 tttgagtttc tcaagtgcct ccgttgttca atttcaagct tctcgatata ttatgcgcct 300
 gaatcggact tccgtgtgac aagttatgac catttgaatt tctcgacagc atacgttgtt 360
 caatttcgag cgtctcgata tattatg 387

<210> 15837
 <211> 258
 <212> DNA
 <213> Glycine max
 <400> 15837

tctcgatata ttatgcgcct gaatcagact tccgttacia atgttatgac catatgaatt 60
 tctcgagagc cttcgttgtt caattacgag cgtcttgata tagtatgcgc cttaatcgga 120
 cttccgtgtg ataagttatg accatttgaa tttgtcgaga gcttccgatt ttcaatttat 180
 agcttctcga tatattatga acctgaatcg gactttcgtg tgacaagtta tgacctattg 240
 gatacctaca tagcattc 258

<210> 15838
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 15838

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agcttatgct gcatacatct acaacagacc tectcaacct cagcagcaaa atcaacraca 60
gcagaacaat tatgacctct ccagctacag atacaattt cggatggagg atcaccctaa 120
tctcagatgg tctagccctc aacaacaaca acagcagcct gtccttttct ttcaaaatga 180
tgctggccta agcaagccat acattcctcc accaatccaa catcagcaac atccccagaa 240
acaacagaca gttgatgctc ctgcgcaacc ttgcctcgaa gaactcgtga ggcaaatgac 300
tatgcacaac atgtatgttc gaacaagaga acagatgctc cattcatagc ttatctcgcc 360
agat , 364
```

<210> 15839
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15839

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tatgatagga tgagatagaa ttntatttct aatgttcttc attaatgtgt ccttcctcaa 60
cagctaattt caatcattat gcatngtatt aattcagtc aatctaattc attgtggaat 120
ggatcataggg ttgccccttt cttacctcaa tgtggcttga gacaaggaga tcccatgtct 180
ccgtatattg ttgcgacgtg tatggataag tcattctcct taatccttta agctcttcat 240
gcaggatcaat ggaagcctat gagagctggc cgaaatggac cattcatctc acacttaatg 300
tttgtggatg atcctttact ctctggaaaa gcatcaataa gtcaaattaa atgtattcaa 360
catggcttga cgactctctg tgatatgtca tgacaa 396
```

<210> 15840
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15840

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tattaaatta agtntattnt aatttattat aataaatgtt atgatcaaat ttatgatata 60
```

agttctaata agatatgata acttattaaa taagcaattg attagttaat ctaacaacat 120
 ctatgtattc tcatgaatta ttatctatct aaaaacattt tatttattat tcaaaacatt 180
 actttcaciaa aaatcaatgt ttgaacagaa gtttataaac acagaanatt ataaattaaa 240
 ttgaaatgca ttgaaaatat aatgattttt tatáccatta tttaatcatg tatatgataa 300
 atattgtttat ttttataata aatattttta gtcatttata agatgaattt tatttgattc 360
 atatagcgta naaattaaat tntcattana tattttaaaaa ctcacttctt aatagatatc 420
 tag 423

<210> 15841
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 15841
 agcttgtag aaaatctaata ggtcattact tgtaactcgg aggtccgatt gaagcgcatc 60
 acatatagag acgctcgata ttgaacaacc gaagctcttg agatattcaa atgggtcatca 120
 cttttacctc ggaggtacta ttcatgcgca tcacatatag agacgtcaa aatcatagag 180
 cggaagctct cgagatatc aaatggacat aaattgtaac tcggaggtac gattcatgcg 240
 catcacatat agagacgctc tgtattgaac agcggatgct ctcgagat 288

<210> 15842
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 15842
 gtgatcacct tggcaatctg atgctcacia tcatccatat ctatcactcc atcaagtggc 60
 ctaccagat attagccgat cacatcatgg gagaatatat cacacttgcc tctgacaaga 120
 cactctcgat catcatcact ctttctgtct gatatgtcag agggaaatgct gacaatgaat 180
 accctgacta ggcttcgta acagtcttcc agcttggtga ctgtcttcag tagaccagca 240
 gacttggtga tgtccatgat c 261

<210> 15843
 <211> 382

<212> DNA
<213> Glycine max

<400> 15843

agcttcaacg ttcatttttcg agcgtctcga taagttacgg gactcaatca gacatccgag 60
ataaaagtta ttgtcgtttg aattagctca gaagttcaac attcaatttc gagcgtctcg 120
atgtgttacg ggactcaatc agacatccga gtaaaaagtc attgtcgttt gtattggctc 180
agagcttcaa cattcaatct cgagcgtctc gatataattac gagcctcaat cagacatccg 240
agtaaaaatt tatggtcggt tgtattggct ccgagcttca acgttcattt tcgagcgtct 300
cgatatgtta cgggactcaa tcagacatcc gagaaaaatg ttattggtcg ttgcattggc 360
tcagatgttc tacactcaat tt 382

<210> 15844
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15844

agcttacttg tatgtcttga acaacaataa tgaagttntg ccatacatag ttaagcatga 60
agcttttagtc aaacagaata atccgaaaat gtcaaagaat tgggtgttga aaaagcataa 120
caagactttc tgtgattggc ttaaagatac aatctttgca gatgagaatg cttcagaaac 180
attaagaaag ctagcagatg ggcctaaaag aaatgttata acctggcaag gatatgacaa 240
aagtacaatg tataacagtg gggtcaccct aagggtgtaa tcttaacact ttgcaaggta 300
ctaggggcat tgcacaggcc gaaaggcatc ctctatang caaaagtgcc gaaggggcag 360
gtgaatgtgg tcttttctcg atcctcanga gcaatagtaa tatgcatata accagaaaaa 420
ccatcaagga aacagtagtg 440

<210> 15845
<211> 210
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15845

atctcgacat atttgtgtgcc cgaatctgac catcgtgtga gaagttatga ccattnga 60

ttctcgagag cttctaattgt ttagtttoga gcgactcgat atattataag catgaatcgg 120
 accttagtgt aaaaagttat gaccattaga atttctcaaga gcttccgttg nttnaatttg 180
 agcgctcga tatattataa gcctgaatcg 210

<210> 15846

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15846

ttctctacaa ttgcatcacc tctcaattat ctagtgaaga agaattgtggc atttaactgg 60
 ggtgaaaaac aagagcaagc ctttgctttg cttaaagaag agcttactaa ggcacctgtt 120
 ctagctcttc ctaacttttc taaaactttt gagctaaaat gtgatgcctc tggagtggga 180
 gttggagctg ttttggttga aggtgggcac cctattgctt attttagtga anaacttcat 240
 ggtgcgaccc ttaactaccc cacctatgat aaagagcttt atgccttaat aagagcactc 300
 cgaacttggg aacattacct tgtttccaag gaatttgtca ttcatagtga tcaacaatca 360
 ctttaagttca ttagagggca aagcatgtta nacaaaaggc atgcaaaatg ggtagagtac 420
 cta 423

<210> 15847

<211> 432

<212> DNA

<213> Glycine max

<400> 15847

agcttattgt atcattcacc ctttgatata tgatctctaa gataaagata tcttatctct 60
 acatgttttg ttctagtagt catgacaaga tttatagaca gattaatagc aattgtgttg 120
 tcacatttca agggaatgcg atcaatgatt actctagagt ctccaagtta ttgtgtcatc 180
 tagagacttt gagcgcaatg actttcagct gcaaaatatt ctgcttccgc ggtgaatagt 240
 gctacacaag cttgtttctt gtcattccaa gatacaagag agcttttctaa tagatggcat 300
 gtcccacttg tgctttgtct atctagttat gatccttcta atagatgtta agcgaaattg 360
 ctttaagatta tcttgatacc tagtcacatg aaacactaag catttatatg gttgattgca 420

gtaagtaaaa at

432

<210> 15848

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15848

agcttgatga ggttgatggt aatcttgtga cggataatat ggcagtcaat tttgatgttn 60

ttagttcgtt tctggaacac aagattggaa gctatttgta tggaggacta attatcacia 120

taaagaatgg ctggttgaag gaatgaaact ctaaaatctt ggagaagata agtgagccac 180

tgaagctcgc atgttggtga tgctaaagca cgacattcag cttcggaaaa actgcgagag 240

actgtggatt gtttctttga tttccaggag atgtgggagg tactgagata aacagtaaac 300

ctagtgatgg agtgtctgga atccccgacac c 331

<210> 15849

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15849

tcaaagttgg ccaatagtag ctgactctta gaactcttat ggccattggt ctctccctag 60

aatgcatacc acanacacct tcatgtagtt ctggaagaac atagtaagcc tgggtcttggt 120

caagacattn tgagtagagg tgaggagaaa cctctcctat atagtttgtc agtcactaag 180

gtataccaga catcttgcac tcttagttgt ctggcttttc ccttgctctat tgtgagtgtc 240

tcatgtttta agtactcgac tatctctttt ttccatctcg aagggccttc ctccacctgt 300

aagcattctt ttcccagat gttgggttcg ggaaccaa at ggagtgtgaa tgtnttagt 360

taccaagggt taggtcaagt tgcaagttaa gccaaactcgt cggctttgtc attaaacttct 420

tagcttatat gaatcaccta aacttcctca nactcttctt tg 462

<210> 15850

<211> 485

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15850

gagatccata gatctaatacc aaggtagatg tttcataaat gggatntcgt tgcttggtgt 60
gtttgattcc agtgccacct attcctttat atcctgtttg taagtagaaa aacttaagct 120
nttctgtgtc ttctttaaat aaagatctag tgggtggagac cctactagt ggttntgtgt 180
taacttctta tgtgtgtttg aattgtcctg tggagatttc tagtagaaca ttttgattg 240
atttgatttg tttgcctttg agccagattg atgttattct tggatggaa ctggtatctt 300
ccaaccatgt cttgttaaac tgttttgata aaagtgtggt gtttgatgat tctgtagtga 360
gtaaagatat gatgtttatc tctgccaaca aagttatgac atctntaaag gaagatgctc 420
aagtgtacat gattctgtct aacctggata tagagaacaa ggtttctatg tgtgaacttc 480
ctatt 485

<210> 15851
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15851

agcttccatc attntatatg aaggagtcgt acctatttgt ctaactccaa gaattatacc 60
tttgttgttg tctccataag tcacatgtcc actattcttt ggagaaatat gagtaaagtt 120
tggcgcacat cccgtcatgt gtttggagta gccgctatca atgtaccaac ttttgttcaa 180
tgaatccttc atgcatataa ccatatTTTT gatttaggta cccaatttt cttgggtcct 240
tgaatgatag ttttgactag agatcctttt ggaaccata ccatttttcc aaagctacta 300
ctgattttcc taaaataaca tgttgatgca ttatgtgcat tcttaccaca ataaaagcat 360
gtcatgatag gagaactagt cttttgagta gatgacaaga aaattttata catct 415

<210> 15852
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15852

agcttgctta aagacgtctt tgatcaatta attatgttaa aatctagtga aatactaact 60

aaaaaaaaga aacttataaa atttaatatg agtaatgtac aaatccaaaa ataattgata 120
 aacaaaatca tattgaattc aagtagttaa aatacaaaga atataaaaaa aatgaacaaa 180
 agagagcata atattaaaaa atacatacaa agacaaggaa tgactttaat caggatgggt 240
 aagactatatt ggtgtagata caaaacttag agaaagaaaa tgaattaaga aagtcagaa 300
 gcanaggagac ggtgtagag gtgaaatact tatagggtac aatacaactt aaagtagat 360
 ttattntcta tgtattatatt tataagaatc tgaagaattc tanaagtttt ctatttaata 420
 atgatactta ttattattat taataatact tanatagacc agtttgtcaa gttaaca 477

<210> 15853
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15853

agcttggana aactgtgct cctcccaatt cgtcaagcaa ctcacatcaatt gtcagtatgg 60
 gaaagcagtc cttgacgggtg aggggaattca atgccttgta atcgacgcag aagcgccagg 120
 ttccatcatg cttcctgacg aggaggaccg gagaagaaaa gggactgtta ctaagttgta 180
 tcagtccttt ctgaagcatg gactcgacct gcaactcaat ctctgcttt tggaagtgcg 240
 gataccggta aggtcggaca tttactgngt tagactgagg tagaagatga atatgggtgg 300
 ctgtgggtgca ctctgaggta atgtttgtgg tgggtggaat aggacattat atttggtgag 360
 caaggcctga atgggtg 377

<210> 15854
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15854

agcttcttgg caatcctcat tccagcgatc tggttggttn ttgcgtaaga gcttgaacaa 60
 cggtcacaa atgggtggta gctgcgatat gaactctggca atataattca agcgtcccag 120
 gaaacctcgg acttgccctc ctgtacggag ttctggcatc tcaaggatag ccttcacctt 180
 ttcggggtct acctctatcc ctttctggct tacaatgaaa ccgattaatt tccctgattt 240

gaccccaaag gtacacttag cggngttcaa ccttaattga tatttcttaa gcctttcgaa 300
 caacttccgc aggttgacaa ggtgttcttc ctcgattta gatttagcaa ttatgtcgtc 360
 cacgtagacc tcgatctctt gatgcatcat atcatggaac aaagctacca tggcctgttg 420
 ataaanntgc cccgcattct tgagtcacaa ggacatcac 459

<210> 15355
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15855

ntaatgaact tcaactttgg cttgagggtg tctctcccc aaccactatg gtgatatttg 60
 ctccacttaa gagccaccat antttggaat ccttgtctt gcattcacca atccatgatt 120
 ntgaaaggct tangtcccca gtcaatgatt ntggatctca aaagaatagg gcagtggctt 180
 gaanaattcc tatccaacac aaactgggtg gtatcaggcc attgaaccag cccaatttca 240
 gataagaaaa acctgtccag cttactcatg gcatttccat taggtctgaa ccaagtgaac 300
 attctgccaa tagatctaac ctctcttaag gccataagt aaatccaaga gttgaattca 360
 gcaatgctag aggagttgac cacattctga gatgaactca ctctctcatt ntgatgtcag 420
 tggagaaagg tgatgaca 438

<210> 15856
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15856

agcttcgatt ntattatttc gagcttcacg atatattacg cgactcaatc ggacttccga 60
 gtgaaaagtt attttcgtta gaatttgcta cgatcttcca ntttaaatat cgagcgtctc 120
 gatatattac gggactcaat cggacttccg agtgaaatgt tattgtcgtt caaatttgct 180
 acgagcttcg gttttaaatt tctagcgtct ggatatatta cgggactcaa tcggacttcc 240
 gagtgaaatg ttattgtcgt tcgaattggc tatgagcttc aattttatat gtctagcgtc 300
 tagatatatt acgggactca atcggacttc cgagtgatat gttattgtcg ctcgatttgc 360

tacgagactc ggtcttaatn tctatcgtct gatatttacg gactc

405

<210> 15857

<211> 423

<212> DNA

<213> Glycine max

<223> measure at all 11 locations

<400> 15857

tgtagcanat tcgaacgaca ataacatttc actcggaggt ccgatttgtt tccgtaatat 60

atcgacacgc tcaaaattta gaaccgaagg tcgcagcana ttctaacgac aataacattt 120

cactcggatc tccgattgag tcccgtata tatcgagacg ctcgaaattt aaaaccgaag 180

ctcgcagcaa atgctaacga caataacatt tcaactcggaa gtccgattga gtcccgtaat 240

atatacgagac gctcaaaatt tagaaccgaa gctcgcagca aatgctaacg acaataacat 300

ttcaactcga agtccgattg agtgccgtaa tatatcgaga cgctcgaaat ttaaaaccga 360

tgctcgcagc aaattcgaac gacaataaca tttcaactcgg aagtctattg agtcgcgaat 420

ata 423

<210> 15858

<211> 237

<212> DNA

<213> Glycine max

<400> 15858

agcttaaaca ttcaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 60

ttaaaagtta ttgtcagttg aatttgctca tagcttcaac atttaatttc gagcgtctcg 120

atatattacg agactatata agacatctga gtaaatagtt attgacgtct gaattcgctc 180

ataggttcaa cattcacttt cgagcgtgtc gatatattac gggcctcaat cacacat 237

<210> 15859

<211> 438

<212> DNA

<213> Glycine max

<400> 15859

actcagctat gttgcaacat tataatagat ctctcagca gcataaccaa caactatctg 60

aattattatg atctttacag caacagatac aatccagggt ggaggaatca tccaaatttg 120
agatgggcaa gcctccacac aacacagcct gctctgcttt ccagaatgct gctgggtcaa 180
gctagccata tgttctact ccaatacagt cggagtcaca acaataacta caagcaactg 240
acgctcttcc tcaaccttcc ttaaaagagt tagtgaggca tatgaccatc cagaatatgc 300
acttccagtc agagatcaga gccttactc agagtcagac aacccagctg gggcctatgc 360
ctactcaatt gatccaagct cagtcaccaat atcttataaa tattcttgac aactgtgcag 420
aatctgaaaa tgtgagtg 438

<210> 15860
<211> 460
<212> DNA
<213> Glycine max

<400> 15860
agcttgtaac atatattatt caatacaagg tcctctcaag gatttagtca aaacatatgc 60
aagttgattg tttgaactaa caaactcggg agaaatctaa ttggacagta gctttccctc 120
ataaaatgac aatcaatttt tatgagctta gttctatcat gaaacacttg attataagca 180
atatgaaagt ttgtctggct atcacaatac aatttcattg gctaaattgc atagaattgt 240
agttcttgaa ggagatgttt gatccacacc gactcacatg tggttgtggc catggtccta 300
tattcagctc ttgcactaca ttgagcaaca ttaaactgtt tcttactctt cctagagata 360
agatctccac caatggagac actatcttgt gttaaagagt ctatctatat gagaacctgt 420
gcaatctata tcacaatacc caaagaattg tgcattcat 460

<210> 15861
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15861
tgatgggtgtt gagaagaaat cacatgtttg tcatcatcaa anagggggag aatgtgaatg 60
tatgtataca tgattntgat aatgtcaaaa gaagaatcaa acaaggctca ttntgcttca 120
agattaatac aagattgttt caacaaacaa agccttaatt caagatttct tcaagatcaa 180
gccttgctc acaatgaaag gtttcaagtc attcaaggca catgtaattg attaccaata 240

catgtaatcg attaccaatg gtttgaaagt gtgtaatcga ttacacatca tatgtaatcg 300
attaccagag actttgaaatg ttgggaaatt caaatTTaaa tgaagggtca caactgttca 360
agaaaaacaa ctgtgtaatt gattacacta attctgtaat cgataccaga gaggaattta 420
aggaatatcg caacagcaca tcttata 447

<210> 15862
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15862

atcctatctc cgatagccaa tgggtaagtt ccgtgcattt agttctaaag aaaaccggtc 60
tcaccgtgat caaaaatgag aaggaggagt tgattcctac tcgggtgcag aacagttgga 120
gggtctgcat cgactataag acgctgaacc atgttaccaa ataggaccat tttgcactgc 180
cattcattga ccagatgctt gaacgcctgg caagattcta caggcgctct attagagaat 240
ttagcacggc acctgattgg accgccccat ttgagctaatt gtgcgatgca tncaattac 299

<210> 15863
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15863

agctntcgag caattcttat ggtcataact cttcactcgg aggttcgatt aaagcgcata 60
atataatcgag gtgctcgaaa ttgagaaccg gaagctctcg agaaattcaa atggtcataa 120
cttttaactc ggaggtccga ttcagggtgca taatatatcg agacgctcga aattcaacaa 180
tggaagctct ggagcaaatc aaatgggtcat aacttttcac taggagggttc gactcatgcg 240
cataatatat cgaggcgctc gaaattgaca accggaagct ctcgagagat tcacatggtc 300
ataactattc actcagaggt tcaggctctg tgcataatat attgagacgc tcgatattga 360
acaacagatg ctctcgagat attaaatgag cataactctt cactta 406

<210> 15864
<211> 433

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15864

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aandgtctcg accatngas tctctcgaaa gctctcggtg atgatttca agcgtc cga 120
tatattatgc gcttgaatcg gactctcgag tgagaagtta tgaccattta tatctcaga 180
gtccttccgt tgggtcaattt cgagcgtctc gatatattat gcgcctgaat cggacctccg 240
agttaaaagt tatgaccatc tgaattttcta gagaccttcc gctgttcaat ttagagcgtc 300
tcgatatatt atgcgcctga atcggacctc cgagtgaaga gttatgacca tctgaattgt 360
tccagagctt ccattgggtga atctcgagcg tctcgatata ttatgcgcct gaatcggacc 420
tccgagtgca aag 433

<210> 15865
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15865

agcttaatag tcttctagta aagtattcac tggtagcagt aaaattatta atcagctata 60
tatcacgggt gatattaaat aaactgccta attatcaatt atatcatgca ttgggctgat 120
aagagctcga cgctattatc tctataactca atacatacta tcaaggatac tttatcagtg 180
gtcacaggaa atgtacgtgg taccatttca tcatactatn tagcattaaa ggtatgctct 240
ccctatatct atatctttat gcacactata caagcttaca actagttggg ttagaataat 300
ataataactg tgattatata tataatcaaa ctgtagcggt tacaataata tgatttaata 360
agtagatatt acataacgta gtaataatta tagttgttta tctggactcg ctgaatgtta 420
agacaccaaa tgtcaacttc cacatgttcc tattgtcagt acctacact 469

<210> 15866
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15866

agcttcattc ttagtatgaa gtaagtagag atacatatat cgtgaataat catctataaa 60
ggttatgaag tatttcggac tatttgcatc catgtctgga caacatatgt ctgtatgtat 120
gatttctaataa aaattagaac tctctnttgc acccttttta gacttggttag tttgcttacc 180
cttaatgcaa tctacacaag tctcnaaatc agcgaatcc aacgtgctaa gtctctcttc 240
atttactaat cgtttgattc tttcaataga gatatgtcct aatctccggc gccacacacat 300
agaggattct tcattcaciaa tacatcgtn taaccaaca gaaacgtgca tagaagtagc 360
gtcattttgc aattcaatcg aataaagacc atcaaccaat tgaccacaac caataatttc 420

<210> 15867

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15867

tgggttgat gttgaattct ggttgctcct ggtgcggata tgattgtaca gcgggtgaac 60
caggggctga agtctctttt ggtgaggtag ccatggaaaa gcagagcgtt tggaatggtt 120
tagcaaattt ctgagagctg ttgggggatg ctgaatacga gattatcacg aatatataag 180
tttgaatgaa gaatgtaaaa ggccgtgtga agcaacggtc gaatttgctt tgggttcagta 240
gtgaacgtgc tattaatgtt aggtgattcg tttgggcacg tcagatatca gtagttgcta 300
caattcctct agcagacaaa tgcccagctt gccctcagc tattcaaact gttntgcac 360
caatgccttt gtaaaatata tgctatttgc tctcagtggt tcacatgctc cagtgtgata 420
actctatcat caacaagctc tcttgatata gtgatgtctg atgtca 466

<210> 15868

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15868

agcttggatt tctttttagt agggaaatcta tcttctctaa gatggagcca aaccagtc 60
ccctcattaa gaactagctc ttttcttctc ctattgcctt tagttgaata cacctttgtt 120

tgggttctcta tttggttctt aaccctctca tgcaacttct ttacaaattc tgacctagat 180
 tcccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taatggtggt 240
 aggggattga acccatagac aacctcaaaa aggggactgc ttggtggttc tatgaacccc 300
 ccctgttgat gcaaactctat atgangaaga tactatccta agacttatgg ttgctttcag 360
 ccgacctta nagggtyggt aaccctatt actcccttg ttgcccata gttatggt 420

<210> 15869
 <211> 458
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15869

ctgtanggct aaagtctcac gaatgtcacg tgttgatgca ataattgtta ttcgtggcta 60
 tacaagacat cttgccagac aaagtcaggt tagccataac tcgcctgtgc tttgtcttcc 120
 atgccatatg tagcanagtc gttgatccta tcatgtttga tgagctggaa aatgaggctg 180
 caattatact gtgccagttg gagatgtatt ttccccctac cttctttgac atcatgattc 240
 acttgattat gcatctcgtc agagaaatca aatgttatgg tctgtttat ttgcagtgga 300
 tgtccccagt tgagcgatac atgaagattt taaaatgata tgaatatcta tatatccaga 360
 acatctattg ttgagaggac attgcagaag ngccattgaa ttctgtcaga atacatcgag 420
 aagctaaacc tgttggcctt ctaagtctca gcatgatg 458

<210> 15870
 <211> 376
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15870

tagcttgtaa gatctgcaag atcatcttcc ttgacaactc cttgaaaatt attgccatca 60
 atacgcagag atgacaattt agagagtgat ccaatacttt caaatggatt tccactgaat 120
 ttattaatag acagatagag atatcttaat gatgaaagct ttccaaatga tcttggaaga 180
 gcaccaccaa ttaagttggt ggaaaaatct agcatgtcta tattttttaa agccccaatt 240
 tgatctgtca gattgcctga nagttgtgaa ctctgatctg caagtgttgt gattccatgg 300

gatatacaat gagcaagaat ttctgaaagt cattaacctg gtggctgagt ctgagatatg 360
ataaacctat ctcctt 376

<210> 15871
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15871

agcttgagag atntatgtaa ttttataaaa tttccaggat aattagtgtg atttatttta 60
tactttntga acagcaacca atataagtac atttttttat ttttaatcat tatctaaaca 120
tggtattttt ttttaaagat gaatgtgata atttgttaat aatatatgta ttatataaga 180
aacattaaat atgcttgatt aaacatttca aattaatttt aaattacaca ttaaatgttt 240
ctaagtttaa taaatgtgca ttaataatat aaacattaaa aattgattaa tttatataaa 300
gaattttact tatatgaaac ttttacatgt ttcttttaaag aggcattgtat tgtttattca 360
atgaatttta ttccttccaa catanatcta tctttttggt ttaattacc 409

<210> 15872
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15872

agcttgtatg gttatatgtc tacgatngtc acgtgctcat gcaacaattg ttagccatgg 60
ctatacgaga catcttgccc aacaaagtca ggtagcgat aactcgctg tactttntct 120
tccatgctat atgtagcaaa gtcattgatc cagtcaagtt tgatgagttg gaaaatgatg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt aacatcatta 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaattggtg tggtcctgtn tatctacggt 300
ggatgtactc ggtagcga tacatgaaga tcttaanagg gtatacatag aatctatatc 360
gtccagaagc atcta 375

<210> 15873
<211> 440
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15873

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctattg tcagattgag aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgctc aaatctctga tgcctatatt tgaacttcac tctcttggag 180
gatagacatg tggaggagta actggtttct tgagggtgtcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcacacac aactgactga tgctgatcaa gtttgcagtc 360
agtcccttca ccagcagtac tgtgttcaga ctatgaagtc catcattgac tagctntccc 420
attccagtga tctttcctta 440

<210> 15874

<211> 498

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15874

nttcactcgg agatctgatt caggcgcata atatatcgag acgcttgata atgaacaacg 60
gaagctctcg agaaattcca atgggtcatta cctttaactc ggaggtctga tttaggcgca 120
taatatatca agacngctcg aaatgaacaa cggaagctct ctagaaattc aaatggtcac 180
aacttttcac tccgaggttc gattcaagtg catgatatat ccagacgctc gaaattgaac 240
aatagaagct ctcgagaaat tcaaatggcc ataaccttta actcggaggt ccgatttagg 300
cgcataatat atcgagacgc tcgatattta acaatggaag ctcttgngca attccaatgg 360
tcataactnt taactcggac gtccgattcg agtgcanaat atatcgagac gatcgaaatt 420
gaataatgga agctattgag caattcatat gatcataact nttcacttgg aggtccgatn 480
gaggcgcata atatatcg 498

<210> 15875

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15875

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gagatgggtt gtaaccatac taaacctcaa acggtgtttg atccttcaat gctctgggtg 120
gaagtctatt ctgataaata acaacagtac ttgctgcctc tgcccataat ttctatggca 180
attcttctca tcaacatgca tcttgcatct ccaaataat ctattatcct ctactaacc 240
atgttggtg gggataaaac tgtaagttat gttcatgcct atcctacaaa ttgataatta 300
tcaatgtgtc tcgggccttg caacctaaat tgatctgaac cgttcatctc 350

<210> 15876
<211> 394
<212> DNA
<213> Glycine max

<400> 15876
agcttcctca gagccttatt ctatgatgac aaacatttgg aaagttagtc tacacgataa 60
tgcttacttt atcacaaaaa tgatatgcta atctttacga tataaaacga actcatgcac 120
acattaatgt agtacattta tgaacatgcg catgtgtaaa atatcctact atatatgtca 180
acatacgagg acattcatca cattctagtt accacacata tatacatctg tgaaaagaat 240
acacatttcc atgtcfaatg cattgagcaa aaattacacc tattcacata ctatatatat 300
tgctatcaca aactacctac acatatgtga agatgtatca taaaatttct gtatgtactc 360
catatattat atcacactga aagtaatacg tatg 394

<210> 15877
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15877

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60
taaaaagtta ttgtagtttg aatntgctca aggcttcagt attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttggtt gaatntgctc 180
agagcttctg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

agtacaaagt tattgtagtt tgaatttgct caaggcttcg gtattccatt tcgagcgtct 300
 cgatgaatta cgggactcaa tcagacatcc gagtcaaaag ttattggctg ttgaatttgc 360
 tcagagcttc tacattcaat ctcgagcttg tcgatatatt acgggactca atcagac 417

<210> 15878

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15878

actcggatgt catattgagt tccgtaatat atcgaaaagc tcgaaattga atgttgaagc 60
 tctaagcaaa ttcaaacgac aaaanacttt tactcggatg tctgattgag tcccgtata 120
 tatcgaaaag ctcgaatgtg aatgtagaag ctctgagcat attcaaacga caataactnt 180
 ttactcggat gtctgattga gtcccgtaat atatcgagat gctcgaaatg gaataccgaa 240
 gctctgacaa atncaaacaa taataacttt ttactcggat gtccgattga gtcccgtaat 300
 atatc 305

<210> 15879

<211> 301

<212> DNA

<213> Glycine max

<400> 15879

aatgatagat ctcatccagc gcaagttggt gcaaccacac tacgcacact gctatataaa 60
 catgaaagct gcacgagttt tctaccaagt tcgggattga agaataatctt gtgagtcctg 120
 gaacttgagt gttttgtgag ccaccttgat gtcaccctaa catcaagtgt tggacctgag 180
 tgtgtagagc tgatctctat tgttcagaga gcaatctctg gtgtgtcttt gatttatctg 240
 tatacaccgg agagtgattg agagggagtg agatggcgtc tcatatctaa gagtggctct 300
 t 301

<210> 15880

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15880

actcgcatgt ctggttgagt cccgtattat atcgagacgc tcgaaattga atgttgaagc 60
tntgagcaaa ttcaaacgac aataaccttt tactcggatg tctgattgag tcccgtata 120
tctcgagacg ctcgatattg aatgttgaag ctgagagcaa attcanacga caataacttc 180
tctctggat tctgctggc gctctgcat atctcgagac gctcgaaatt gaatggtgaa 240
gctctgagca gattcatacg acgataactt tctctctga tctctgattg agtgcgcaa 300
tatatc 306

<210> 15881

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15881

agcttccatc atanggtacc ctagaaatat angatntttc agctattgta ttttaaggca 60
cctagactag tttttgtatt aagggtagtt ttgtaatttc acatgcacta agtgaatatt 120
tgatgtgtgt gttgggaaat aaatttaatt gaattggtag aacccccaat ccaattaaat 180
tttagagggg gaggtgaaca ttntcttact acaccccatc gccacatcat atagtcacac 240
tttgtgcatg tctttcatgc tttacatgtc tcatgacacc taagcacaat tagtggagaa 300
tcttgaatt gatcttggat tagtgggctg aaccataact ganattcact aatcataatt 360
agt 363

<210> 15882

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15882

acaatgatca caaaattcaa gntatctag tttatcacca cctaacagaa tttgtttctc 60
aagttcatgt aatcctctnt cactaacatg acctaatctc anagccaaa gttttgtttt 120
atcaatcaat gtattactag ctatcaatgc atgtccaaca atggtggaac cttcaagaat 180
aaacaagcca ttacttttat tcttgggtacc cttagctatg attaaagatc catttgaaat 240

cttaagaaca ccattttaaaa ttctagttga atatcatgga tcatcaaaca ntgttatgga 300
aataagattt cttttgagtt ctggaatggt accttacatt ttcagtagat actctctatt 360
atcaaacatc tttaatctca ca 382

<210> 15883
<211> 132
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15883

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ataaacattc ttatatacta ttttggtggt cettattata aggtccaatt aactaattat 120
caaaattaag aaaattggtg aatttagttg agggcattaa agacattntt gtgaaaaaaa 180
taatacaaag gacattntan gttgaacctt ataataagga tcaagtgaca cttgtaatgt 240
ggatattata ataagcatta gatggagtac catattaaca cccataantt ttcttttact 300
ctttttctat catgtaatat caattaacca tacttgatnt ctttctcttc tctctttatg 360
tgtcaattag tggatcaatga atgtntntnt catttcttaa ctcanattga aaatagaaat 420
atttattttt aacaactaa 439

<210> 15884
<211> 334
<212> DNA
<213> Glycine max
<400> 15884

agcttcaaca tcagactcac ttcaggtgct ggaattactt cacatggact tgatggggcc 60
tatgcaagtt gaaagcctta gaggaaagag gtatgcctat gtttgtgtgg atgattactc 120
cagatttacc tgggtcaact ttatcagaga aaaatcagac acctttgaag tattcaagga 180
gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240
tggcagagag tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300
tgagttctct gcagccatta caccacaaca gaat 334

<210> 15885
<211> 409

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15885

agctgtaaga catattgctg catcgttatg gatatgtcgc atgatcatcc catctgttga 60
ctgtggacc ctgggctcc gatagctcc cccctctg ccggaaacyac tggaaactg 120
gcttggatat catagccat tgtgagtaat tagctccaac tcatgagatg accctcaga 180
tctgggacat agcagacatt ctgatatgac acatgtctta catctttcga atacacgaag 240
atcttacatt ttccttgtag aagaatctta gaattatcac canatgagac attgtcactt 300
actgattcat caagatccac gaacatgctt ctgttctaca catatgggtg cttgcaccaa 360
tgtcaaagga tcatgtgttt tcttggtac cttcattacc tccacatgc 409

<210> 15886
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15886

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tcctcttctc ctttgccttc cgctgcatct ccatgatgaa naatcaccat tgaaggacct 120
cattgaagat caaagatcca gcctccatag aagctccaca agcaagcttc catcaagtta 180
tgaccatttg aatttctcga gatcttccgt ggttcaattt cnggcgtctc catatgtcat 240
gtgcctgaat cggacctccg taagaaaatn tatgaccatt tgaacttctc tagagcttcc 300
gttggttaat ttcgagcttc tcgatatctg atgtgctga atcggacatc cgagtgaann 360
agtggacaat ttaatttctc agagcttcgt tgtcaattt 399

<210> 15887
<211> 332
<212> DNA
<213> Glycine max

<400> 15887

aacagagata tctattctat agatacatat aattataaca atttccatgg ctctttatcc 60
tgtttcagca ctgctgcttg ctaccacgta ctgtgtttta gctatggtaa ccaagttacc 120

ccatacaagt gagcaataac ctattataga ccttctgtga gtgatagacc ctaccagtc 180
aacattagcg tatgccttga tggttcatac tgcggtatct ttgtgttacg agaagacata 240
tgcataatgcc cttccttctc aagatccgat atactacctt taggtagtct tgatagggag 300
aatgtgtgag atgacttact aaacttacc ca 332

<210> 15888
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15888

ccccaatgcc acaagatata aaaaagatag ttatttccaa aatgtcaaga tggngtgaga 60
tnatgattgt gatgcaatcc cccccccaa gggcactgga tagaagactc caagaagatt 120
gagccagaga tgcaagagaa ggccctatga ttctcatgag ccttanggta gatttcgagc 180
ccatgggcta agtacaagcc cacttatctg tgtacatatt agattaatgg ttcattattt 240
ctggnggttg tatttatggc tccataatgt angtagggta ccctagaaat gtaggatnnt 300
tcacccttgt attt 314

<210> 15889
<211> 343
<212> DNA
<213> Glycine max
<400> 15889

agctttatct tatattgtca gatgcagcat tgaggatcag agatattaac tatgggccag 60
atgtgctcat ggaagaaatt gaaaaataca agacgtatgc cgagagggtg gagcccttta 120
ttgctgatac tgtgcttgct atgaatgatg ccatataaca aaagaagaag atttttgttg 180
aaggacgaca agctaccatg ttggacattg attttcgaac ttatcccttt gttacttctt 240
ctagcccatc aacaggcagg atatgcactg gtctaggtat tgctccaaag gtagttgggtg 300
attaatatga gtggtacgtg gatatttatc tattttcttt tta 343

<210> 15890
<211> 249
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15890

tctttcttcta ttgtccatgt cttcttctgg ctttaattcat cagtgnngcta tccttctgtg 60
tccagcatca ttgtgatgtt cccagccttt gatgacaact atccaggttc tgctatccag 120
cgatgtgagg aatgccacca tccttgcctt ccagtaattca tagltgggtc catcraaga 180
tgggtggtctg ttcaactggc ctacttcttt ctccatgttc atcagaatat atctccctag 240
atctactct 249

<210> 15891

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15891

agcttcgcac ttgataacgg agaacacatg agcagcgcta ggcaatgaca ttcattggtc 60
tcccgaaaaa ggtggagtat ggaggattgc cttgagggtc cgcacttang caatcatgaa 120
actcagctcc aaactcgaaa gtggaggaca cgtgaacagc cctaagcaat aacattcatg 180
tgactctaga aaaggatgag aatggangat tgccttgagg gtcctctctt angcnatcat 240
ggaacatagc ttcaaactcg aaaatggagg acacacgaat gacaatgcaa ttcattcatg 300

<210> 15892

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15892

tctttcttaat gaaaccgtta anaaggcact ctntaacatc ctttgaataa gcttaatgtt 60
nntgtgagca acaaaggcta aatgattct tataacttca agtctagcaa catgaacaaa 120
ggtttcagag aaatctataa ctttntgttg attatatcct caagctacta acctagctnt 180
gttgcatact acttttcctt gttcatccaa cttgtttctg aagattcatc ttgttccaat 240
gggtgctcttg ttntctggca ttggaacaaa tgtccagaca ttcattttgt taaactgatt 300
cagtttttct tccattgtga ttatttagtc attntctatc anagctntgt ctatagttnt 360

aggttngatt canacacatg ngtcttaatg atatctagtt taactccttc ntctaatttc 420
 agatatatga tcttat 436

<210> 15893
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15893

agcgatgctc tagagatcct ctacaggcat gctgcctgcg tccagccgct tgatatattt 60
 gatggactca tggtcactat gaatgacaaa ttccttgga taaaggtagt gttgccatgt 120
 tttcaaagcc cgtactaagg catacaactc cttatcataa gttgaatagt taagggtagg 180
 accacttaac ttttactaa aataagcagt tggatggcct tcttgcatca acacagcccc 240
 aatcccaaca tttgaagcat cacactcaat ttcaaaagaa ttttgaaagt ntggcaacgc 300
 aagtataggg gcattagtta gctnttgctt aagaacattg aaagcttctt cttgtttctc 360
 ttcccatgtg aaaccagcat ttttcttgag cacttcattg agaggtgctg ccaatgtgct 420
 aaaatccttc acaaatcgtc tataaaaac 449

<210> 15894
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15894

tgtgcttgga tcgttcatga tgagcangtn tgaaccaata cttatagcan atntattatc 60
 acagaataac atcatagagg gcacatcaac ttcaaagtga agaagtaact tgcttaacca 120
 aacaatttca ctagtaacag aagacaagac acgatattca gcttcagtgg atgatttaaa 180
 atagtgggtt gtntcttaga atgccaagaa agaagttggt tcccaaaaa cacaaaagtc 240
 agaagtggtat cttttggtat caacacaact 270

<210> 15895
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15895

ttgcgcgcgt acgtctcccg acttgtctcc aggccgccct cagccggagc caagatcaaa 60
gagccagcgc gcaccgtgga ggtcgcatgc tttcttcggg attgcctgtt caccaccaca 120
gaccagtga ccttatggt gcagcgcgg ctgcgcgc tctggcgtc ccttcctgt 180
gatgtcccg ctaccgtcaa ttngccgca atgtacaaa cgtgcctcg cgaacttct 240
gccttgagcg cgcaaagtgc ggtgccagat gctgagttgc gtgcccgtct tga 293

<210> 15896
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15896

agcttcanac ttgcatcana ggagttgagc aggtaaaaaa gattcgtctt caaactctta 60
gaggtgactt tgagcgtttg tttatggagg agtccgagtc aatttctgat tatttttctc 120
gagtattggc cgtagtcaat caacttaaaa gaaatggtga agatgttgat gaggtgaaag 180
tcatggaaaa aatacttcga actttaaatc caagctttga cttcattgtt accaacattg 240
aagaaaacaa ggatttatag accatgacta ttgagcaact catgggttcc ttacaagcat 300
acgaagaana acaaaagaga anaattaaac anaaggaggc tacngagcaa ctactacaac 360
tcaacgtaaa ggaagcatac tatgcaaatt aca 393

<210> 15897
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15897

cctcatcagc anaaccaaca actgcagaat aattatgatc tttcaagcaa canatacaat 60
ccaggttgaa gaaatcatcc aaatctgaga tgggcaattc ctccacaaca acagcgcct 120
gtccctcctt tccaaaatgt tgttggtcca agcaagccat atgttcctcc tccaatacag 180
cagcagcaac tgcagcagtc acaataaaga caacaagcaa ctgaggctcc tcttcaatc 239

<210> 15898
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15898

tctatacaag tngagg, ttc tctttacctg aatagcatag agtacaattt gaggctcttcg 60
 tgtgtagcat aagccanaag gaatttgatg gctccaagtt cttctattgg tgttaaagtt 120
 tcttcatatc aattccttct tattgattat atccttgagc caccagtctt acgttgattc 180
 taactatctc tcctttttct tgttcttgan aaccatttg gttccaatta ctaactaatt 240
 cttaaagagat ggtacaagat tccatactnt gttctttgtg agccgactct attattcttc 300
 catagtagca acccaagaat cttcactcaa tgcttcatca atgttctttg gctcaattat 360
 tgagaagagt gtcatcatnc ctttctcttt gttcaaagaa gctcttgnnt tgactccaga 420
 tgttatttct ctaatga 437

<210> 15899
 <211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15899

agcttgtaac agttagatnt agtataatnt acgtttaata ctatataatc ttcttacttg 60
 actgtttgta caagattact tttcttcccg tgatcaacat ggatttcttt taggagatat 120
 atataaagtt gatttatttg ttaaaaaaat cctaaattcg attatgatat tgatttgaaa 180
 tatttttcat taaaaatgat aattaatctt ttttaccaat aaaatttatt ttataccttc 240
 tgggttaaact atttgattaa gatagatata ttattaccac ttatataaat cgtttttatc 300
 ttaaaaaatca tatatttttg tgagtaaagtg tattttttaa gagtaaataa taatatatgc 360
 caaaaatata taatactatt ctcta 385

<210> 15900
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15900

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agcttctact tgcttggaaat tttccagtct atctttctta ttttttcgcc tacattcttc   60
ttcaagaata gcttaagcaa catcattaaa ggtagacaa gtgacattat tattatttgt   120
tatgttgata atgagtttat catataaata tggtagactc taaagtagaa gctctaccgc   180
ttgttttct tctatgttaa aatttgatga gggaaattgn gaaataaag tcttcaggrr   240
ttcatgtggt atgtcaccca agtggactca ctcgttcgaa gagtgcagag tttcctcttc   300
aagaatattc tagtctgaag tgacttgatc tcatacaatt tgtggaaagt atcccanata   360
tccttcacgt tntccattgt taagtcaaaa tt                                   392
```

<210> 15901
<211> 401
<212> DNA
<213> Glycine max

<400> 15901

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cttgcaagct tgtgttcctt gttaattatt ggtattagtt gttgtttatg tgaatattag   60
ttgttaaatt tcaattgaat tatgttatat gatacacaca tgtaaagta gttgcattac   120
tattagactc tcttatacat taattggttt atatgaactg ggagaatgat tatataatta   180
gaaaaacaat tatagataaa attgtctaag tgagatttaa atctaactg aaagatgaaa   240
ttagaaagct tgaccattgt gtcaattaat gtcattggta tattgaaata tgacttataa   300
taaatgaata tatgctaata atcgaaatat gacttataca ctgtgtgttt aaagtgttgt   360
tgtttatttt tgcacttctg agatattatt atgatcttta t                                   401
```

<210> 15902
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15902

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gtattaatta ttattgttaa ccttcagta tatatatctc gatatcatca ttcattgttg   60
tgtctttcct ctgcgggcat ggcgattttg tcttaatttc ttttagaatg catttagatt   120
cataatttta cttgacgaaa gcaatttatt agataattta catctcttta atctaanatc   180
```

gattgtttga atgttctttt ataaagaatc taaattgtta taattctaca caattaacaa 240
tatagaattt taatttcctt ctaacaagtg agaaattgac attctcttct tgatcaaaga 300
gccttaaaaa atatgtgcgt aatttcttta atacc 335

<210> 15903

<211>

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15903

agcttcacat ggagctacat cagaatggtc ttaaagtggtt ggaattgtgg cagtgcctaag 60
gtaagtccca cttgagagga gaaggtagaa agattgcttg agaagaaaag ctctcttaat 120
atctcctttt cgttggacta gctcatctag gtccttatat ggaaggagtt caaccttgct 180
ccccacttcc atattaagcc cactaaggaa cctagctatg cttgtttttt ccacctccct 240
aagtccagct cttaaagga gtagttccat ttgttgctta tattctttga cactcact 300
tctttgtcta agcctttgga gcttgctcat aagctccctt tcatagtang agggaatgtg 360
cctcttctta agggcattct taagatcatt tccatacttt actggangat ccccatg 417

<210> 15904

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15904

ctataatact cagctttatc aagagtttta ctctctggta atcgattacc agtggcaagt 60
tntgttttca aaaagctntc aactgaattt acaatgttcc aatcaatttc aaaatgggtg 120
aatcaattac aatatattgg taatcgatta ccagtgtgtt tgaacgttga aattcaaatt 180
caaatgtgaa gagtcacatc ctttcacana aatgctntgt gtaatcgatt acaatgattt 240
ggtaatcaat taccagtgat aaattttgaa taaaaatcaa aagatgtaac tcttccaatg 300
gttctcaagt ttttctaaag gttataactc ttctaattgg tttcttgacc agatatgaag 360
agtctataa agcaagacct tgacttgcac ttaagaatca ttctaacaat tatacaatcc 420
tttatacctt tgaactcttt gacatcttct tttctcttct ttgaaaagtt tctaaagtta 480

<210> 15905
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15905

ntcacaagtt atctcataac tcanagcctt gtggcacaac acaatagctc ttgcttcatg 60
 tgtttacctt cttgctgtgt ctattccatt gtggacaagt gcatcaagtg aagtatgtgg 120
 atgcctcccg agttattcgc cttctggtag ccaaaggctc taatgaagta tgtngatacc 180
 actgtcgtcc aggaagacct tgtagaatt aatgtctcat gtgagaggca tgtgacttta 240
 tgtaggacta ataaataaat cattaataat taacgactaa attggtattg tgtaaatagg 300
 agaaacttct aaacgtaact gttacttgat ggaagtagtg ggtgtanaag gggttaatac 360
 ccactaactt gaaacaaagt cccttctgac acaagtgtct ctctatc 407

<210> 15906
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 15906

agcttttctc ttgtggagac ggcgacaaat atcggttggg acatggaaac aaggaaacgt 60
 accttcaacc aacttgtgtc tctgcactta tcgagtataa tttccaccag atagcatgtg 120
 gacacaccat gactgttgct ctactacat ctggtcacat tgttactatg ggaagcaatg 180
 aatatgggtca actatgaaac catctggctg atggaaaagt acctatccta gtacaagaca 240
 agttggtggg tgaatttgtt gaggtaatat catgtggatc tcatcatgtt gcttgcttgt 300
 catcaagaag tgaattgtat acttggggga caggtgccaa tggaagattg ggacatggag 360
 acatagagga ta 372

<210> 15907
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15907

agcttcccaa gttnttaagt tcttctcaa aactgtccta agcaaagttc ccaaagtcct 60
attaacaact tccgtttgcc catcgattta tgggtgacaa gtggttgaaa ataacaattt 120
agtgcccaac ttgtccaca aagtcctcca aaaatggctt aagaacttag agtccctate 180
actccatg ctccttgga aaccatggag tccctccata tccctgacaa acaaatcaga 240
taccgagaa gacatcaca ctctcttaca tgggaataaaa tgagcccttn tagaaaacct 300
atcaacaacc acaaaaatgg aatctctacc attgctttgt tttggcagcc ccaaaaacaa 359

<210> 15908

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15908

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agaaaccatc agaccatggc catatataac tgtgcaagca tgatagaaaa caaattataa 120
aactattaga aatgaatgag gaagtttgac aaaataataa gacaaatacc ttttcattgt 180
atatacgaag cttttctttg actactgctn tagtatcctc tgaccgagta atgagctttg 240
acatacagtg tgcaggagga agaagtggag ccatgaccat tccaggagcg ccattctcac 300
tcttgatgct aatggaggca atattaaaaa ttccttcaca ttgattacaa attcttctac 360
caagggcatt tgcaagcagt gcttcttctt ggagcttc 398

<210> 15909

<211> 413

<212> DNA

<213> Glycine max

<400> 15909

agcttagact cagttcagcc taccatcctc agactgatgg ccaaactgaa cggaccattc 60
agtcgttgga ggacatttta agagcatgtg tcttatagca gaaggggaagc tgggaggggt 120
ttcttccatt gaaagagttc acttataaca acagttttca ttctaccatt ggcattggctc 180
octatgaagc tttgtatggt agaaggtgta taacaccctt atgttggttag agcccgagga 240
atgcctcacc ttacgaccag aagtggtaac acataccact gagaaagtta agttaattca 300

ggacaggatg agaactgctc agagtacgca gaccagttat catgataaga ggatgaaaga 360
tctggaattc gacgttgggtg atcatgtatt cttgagagtc actccatgga atg 413

<210> 15910
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15910

gctattacgt gacactatga tactcagctt atagggagtg atgcctatgc tagtgtgata 60
actattatta taagctaaat ttataaggga taaaactta tcccaactta caccttcac 120
aagaacacat actctaagca tgtcttcaag gttctagatg atcctctntg attgactatc 180
catttgagga tgataagcag tgctaaaact tagcttatac ccaaagctc gctagaatgc 240
tttccaaaat ctaagatacc tatctaacac tatagaggta ggtatgccat gaagcttaag 300
tatctcctta ttgtaaagt ctgctaattt gtccaatttg taggtctcct taattggtaa 360
gaagtgagca gacttgggta gcctgtccac aaccacccat atgacctcta gacccaaacg 420
aagttttgga aaactgttac aaaatccct 449

<210> 15911
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15911

gattcatggg ttcgagctat gcatgatgaa attattgctt tagaaaggaa tcatacatgg 60
gtgcttactg anttacctca gaataaaaat gtgattgtgt gcaaatgggt gtacaagatc 120
aaacataatg tgaatggctc tattgaacgg tataaagctc gcttgggttac taanggctat 180
acacanattg aaggctanga ctatttagat actgtttctc tagtagccaa aattactaaa 240
gttcggcttt tgttggcact cgctgctttg ataagtgggt atcagacagc ttatgtaata 300
atgcaaactc atttgatctt atg 323

<210> 15912
<211> 375

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15912

agctttgatg caacatttgg agagggttaat gaaacaacga gatgatgcgc tccatgagag 60
glt_gatcac accgagaata gagatcttaa tgaagaaada cggagtcgaa gagjgactg ---
cgggtgttct agacaaaact gaattgatga tatladaalc aacattccle cattraaagg 180
aaagaatgat ccagaggcct acttggagtg ggagatgaat atagagcatg ttntctcatg 240
caacaactat gatgaggaac ataaggtgaa actngccgtc acggagtttt ccgactatgt 300
tcttgtgtgg tggaacaagc tacaaaatga gagagcaaga tatgaagagc caatggttga 360
tacatggatg gagat 375

<210> 15913
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15913

tataatatat tgatacgcta ganattaaac atcggaagct ctcgaganat tcacatggtc 60
atgacttttc agacggatgt ccgattatgg cgaatcacat atcgagacgc ttcataattg 120
aacaacagat actctggaga aattcaaattg gtcataactg ctacaccga tgtccgattc 180
aggcgaatca catatctaga cgctcaaaat tgaacagagg atgctcttcg aaaattcaaa 240
tggacataac ttttaactcg gatgtccgat cacgcgcac acatatagaa gctcttgaaa 300
agg 303

<210> 15914
<211> 298
<212> DNA
<213> Glycine max

<400> 15914

gatgcaacat ccggagaggt taatgaaaca acgagatgat gcgctccatg agatgttgga 60
tcaaattggag aatagagatc atactgaaga agagaggatg agaacaggga atgatggtgt 120
tccatagaaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaagaa 180

tgatccggag gcctacttgg agtgggagat gagaatacag catgttttct catgcaacaa 240
ctatgaggag gaccagaagg tgaagcttgc cgccacggag ttttccgact atgctctt 298

<210> 15915
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15915

attgaataaa cacttaattn ttgtctgatt gcctcttatg ttaatcaaaa ctatgtctac 60
aaccatgttt ctgggtttta tttcacgaca atgtggaccc ttcaaataca gaggctatag 120
taaaaaaatt ccagatggat ggacgttatc ttagagatgt ctggtaaatt ctctgattat 180
tcctctgtct gggttttggc acccttgcta tttggtgtgt taagttcaag attggttgaa 240
ggatatttga taccctgcta tcctgcgagt ttgggacacc aatgatggaa ggctgaaatt 300
tctttgagaa aacaaatcgt tnttgtggac atttgtgtgg atntcttata tgtttctctt 360
aatattctct cttatcatg 379

<210> 15916
<211> 360
<212> DNA
<213> Glycine max

<400> 15916

cttgaaagac taccagaata acatatgcta tctggaatct tccttgagag gttgttggtg 60
gagaggtcca acacagttag gttactatgc ttccctagct cctcaggaat ctcacctgtt 120
aatccgttag accatagctg aagaacctga tgcctatgca aagatgcaac accctttgga 180
atcttcccag tgaacttggt tgagaaaagg tggagaatct tcagcctctg gagcttaacc 240
acacgtctgg aaatctcacc cgaaagagag ttatcactta gatcaagaga catcatcttt 300
ttgagctcga agatagatcc tggatttgac cacttatttg ttttggagag aagagatctg 360

<210> 15917
<211> 354
<212> DNA
<213> Glycine max

cagttgatgg gcactccaga atgcccccttg acccaccag agattagcta ctctgtccac 300
aaggtctgcc agtttatggc tcaaccttta gacactcatt ggactgctag gaaacatatt 360
ctgcactatc tagagggtac tgggtcttat ggtcttcact taacacctgc tgctc 415

<210> 15920

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15920

agcttctatt ctctatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgagttaag atatcacaaa ctatttcnc aattaaaatt 120
ttatgtcact ttctattcaa gtgataaatt cccttaacaa tgaatttctt atatattgat 180
tcggatagag caatttgaat atgattgttt aacaatcatc aataaaggag tttaatggaa 240
gagagaatgc atactcagaa ttatactggt tcagtcacac ctttgtgcct a 291

<210> 15921

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15921

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ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaaa cttctctcga 120
atgaaatgac aatcaatctc tatgtgctta gtcccttcat gaaaaactgg gtttgaggca 180
atatgaagag cagcctgatt atcacaatac aacttcattg gcagctcttc aaaaaacctc 240
aattcctgca gaaactgttt aatccacatg agctcacaag taaccatagt catagatcga 300
tattcagctt ctgcactgga ccgagcgaca actgtctggt tc 342

<210> 15922

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15922

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 tggattgaaa tcttgtaa ataatgaatcc acttttacca aaatttattg cttcttttct 120
 tactctaaat gtttgcataa acttttataa tatttacata acctttangt gatataattca 180
 attattcatt ataattnttt tatctagagg atntataaca acaactcatg tacctttatt 240
 taactaattg aactatnttt ctgagatcc attatacatt ctatataat aaaaatata 300
 gcagtaaaaa tatattatca actattcagt aacaattata aactgccttt tnngttcctt 360
 aattntgttt tttttaaaaa aatctt 386

<210> 15923
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15923

agcttgata ttaattggca tacgaattca tcttctactg aggtcgcgag tatccaaatt 60
 catctectat tgattntgag tataatccca gtacttaaat cttaataata tagtttaaaa 120
 cataatattc atatttcac tctttaaagt tagaagtaat atttaaaatt aatagataga 180
 gcagttatgt atgtgtgtgt ttggttcacg agattagtgt gttatttatc caacattnta 240
 atctcttcga tgtttctaaa tcantaataa ttgtctcaac tgcattgatg tacttaaaaa 300
 catatttggt atattataat atcaacaata ttaacatata taattgagaa ttaacaatt 360
 ta 362

<210> 15924
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15924

agcttgtagc ttgcataaac tccttttcag tggatgacaa tagaagctaa aagttaccaa 60
 gcatacatca aactgtttca aaaagtccaa ctatcatttt attcttaata aatgggagtt 120
 accagtataa aataaactat ggctgcaaaa ttgtacttca aaaaaatata aaatataacc 180
 tgatcaaaga catcaatata gactttgtgc agagaatgag aactgcagaa ctgattaatc 240

tcattgatgaa tcttgtcata tatccatgtc ttatcataat gtacaccata gttgagcaat 300
 gtctcaaaga caaatccctt atggagttga ttcacaacct anaagaagaa tatgcatcac 360
 tgctatgaaa atattgaaga tgtgaaaaga aaacact 397

<210> 15925
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15925

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 gcatataggg ctactgacat cttggaattg atacatacgg acatttgtgg accatttcat 120
 acacctttgt ggaatggtca acaatatttt atatcattca tagaagatta ctccagatat 180
 gcatacttgt ttcttataca gganaattca caatctttgg atgtgttcaa aacattttaa 240
 gttgaagttg aaaatcaact caacaaaaga ataaagtgtg tcagatctga ccgtggtggt 300
 gaatactatg gcagatatga tggttcaagt gaacaacgtc cggngccttn tgccaggtag 360
 ctagaggaat gtggaatcat cctacagtac accatgtcgg ngtcacctag catgaa 416

<210> 15926
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15926

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 agttggaatg atttgcattt caagcatcaa atcaagaacc caaatagcat tttcaatctt 120
 ctttgaattt gcaagccctc taacaatagc gctcatagca acattgtggg agctgatacc 180
 aagtgttttc atttcatctt gcagtttcat tgctcctttt atgtttccaa ctctacacat 240
 gccattgatt aaagtgatat attgtttatt tgtaggaaca gaaccacttt ccaacaagac 300
 ttgcaaaaca cgatgggcct tatgaaaatc actagttcta atgagtccat taaaaaggca 360
 ttgtatgtat ctacattang aataaccata aactg 395

<210> 15927
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15927

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agctttgaag gggaggatg ggcgctagc gttaggcac tcaatcagg ggcctcgat 60
aagatcttat gtttgaggat agatgaatag tctaggcaa tcaatcagc ggactcaga 120
taagatttga ggggtggacg taaacgaaca acgctaggca accaattcgt ggtgctccat 180
actcaatggg ggaggacgca tgaacaaaac tagggaataa attgatgggt ctccgaataa 240
gatntgaggg tggaggatag acgaacaact ctaggcaatc aatccatggg gttctagact 300
cgatggtgga gaacgcatga acagcgctag gcaatcaagt catggggtc 348
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<210> 15928
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 15928

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agcttgaaca ttatctcctt ttgggttcgc aggttcttcc atgcacggaa tccagtgatc 60
atctcgatta caatgcaccc aagagaccat atatctaacg ctgggttcaat ctgaccaacg 120
atcgattctg gcgacatgta aaaaggtgtc cctctaaact tgaccttccc atactcagca 180
tttgcattct ctctagtctt ggacaaccca aaatcagcaa tcttcagttg ataccttgca 240
tgatcatcag atgaaggaaa gagaaggatg ttgtccggtt tgagatcaca atggacgact 300
ccttttcgat gaatgcaaga aagccctttg agaagcatac gagtgtagac tcttacttca 360
ctatccgata t 371
```

<210> 15929
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15929

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ngcaattaac atgaatggcc ttctaataat tacaggaatg tcaagtatct cacaaatata 60
cattaccaca tagtctatcg ggaagataaa atgtttcact ctaaccagca catcttcaat 120
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tactccatat ggtctggttaa tggagcggtc agcaagttgt aaagtcattct tagtgggcat 180
gatctccaac tctcccaacc ttntgcacat ggagagtggc attaaattaa tactggctcc 240
caggtcaata agagcctttc acacagtgc ttctccaatt gaacaaggaa tagttacact 300
cccagggctt tgatgcttgn gtggaaggat cttttgaatc acaacactac aatttccttc 360
cactatgata ttttcttggg gaatatactt atgtttcctt gttaacatat ccttcaagaa 420
cttgagtag agtggcatct gctgtaaagc ttctcc 456

<210> 15930
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15930

ntagagagct gcgcttcttc attgccttca aatttctgtc tgtatctgat tcatcaccag 60
gttttccagg agagaagact ttgagaagcc cttgaaccag gcttggtgca aagtccttgt 120
acctttgatg aagcaaagaa cagatctttc caaaaagaag caaatgattt aaggtaacat 180
catataaaat atagaaacag cttcaaattgt gtagaaacca gggggactgc aaagcccata 240
cctgaactgc agcttgtata tcagaacttc taagcttggc atcacatata gcagccacag 300
cttcaactgac aaatntgctt aagttgacac ttgcgaactc gtccatcaga gcttcacgct 360
gctcttcatt aatctgcttc agtttcttaa taacagcagt ggtgcgctta atgctagaat 420
ccaatgtccc ttaaa 435

<210> 15931
<211> 279
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15931

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gtgaaaagtt atgatcattt gaatatctca agagcttcca ttgttgaatt tcgaacgtct 120
cgatatatta tgcgcctgaa tcggacatcc gagtgaaaag ttatgacatc ttgaattgct 180
gaagatcttt cattgttcaa tttcgaacgt ctcgaaatat tatgcgcctg aatcggacat 240

ccgaagttaa agtatgacca tntgaattgt cgacagctt

279

<210> 15932

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15932

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attgagacgc tcgaaattga acaacggaag ctctcgagaa attcgaaagg tcataacttt 120

taactcggat gtctgattca agcgcataat atatcgacac gttcgaaatt gaacaatgga 180

agctcttgag aaattcaaat ggtcataact tttcactcgg aggtcccatt caggtgcatc 240

atatatcgag atgctcgaaa atgaacaatg gatgctgtcg agaaattcaa atgatcataa 300

nctttcactt cgaggtccga ttcagggtca tcatatatcg agacgtcga aattgaacac 360

cgaagggtgt cgagaaattc aaaagggtcat aacttttaac 400

<210> 15933

<211> 341

<212> DNA

<213> Glycine max

<400> 15933

agcttctagt ctcaattttg agcgtctcga tatattaccg gattcaatcg gacatccgag 60

taaaaagtta ttgtcttttg aatttcctac aagcttcctg tttcaatttg caacgtctcg 120

aatatattac aggactcaac ttgacatccg tgtataaagt tattgtcaat tcaattttct 180

cagaacttcg gatctaaatt ttgagcgttt cgatatatta caggactcaa tcggacatcc 240

gagtgaaaag ttattgacac ttgaatttga tacgagcttc cagtttcaat ttggagcatc 300

tctcgataaa ttacgacact ctgtcaggca tccgagtaaa a 341

<210> 15934

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15934

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 ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttattt 120
 ttcctctcaa ttttatcttt gactctctca tgaagcgtct tcacatagtc cgcctttgct 180
 tgaccttctt tatgcttaaa aatagaaaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtgggttat taaccataaac aacttcanaa ggagaacaat tagtgggtgct atgaaccagct 300
 ctattgtaag ccaattcaac at 322

<210> 15935
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15935

acttggaacc catttctacc aactacaaac cctaagaaaa ctatattatc tacacaaaag 60
 gtacacttct ctatatttgc atagagggtg tttttcctaa ctactgaaag aactagcttg 120
 agatgtccta aatgatcatc taagctccta ctgtatacta aaatatcatc aaaataaaca 180
 actaccaatc tacctatgaa atcccttaag acattatgca taagcctcat aaaagtgcctt 240
 ggtgcattag tgagcccana aagcatcact agccattcat acaaaccaaa cttgggtcttg 300
 aaagcggatn tccactcatc accctttttc a 331

<210> 15936
 <211> 126
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15936

ccacagattc tgccttcttc tattttcaga gtggggatgc ctctaacagc acctctgtca 60
 atgattntct tcatgcctct taagtgcaga tgtccaaatc tttgatgcc a tattctgact 120
 tcatct 126

<210> 15937
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15937

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aaacttatag ctacagacagc tgtataagaa agaagctata tcttgaagtc aacaactgtt 120
gcatattac taatataata cctgaataat tctgcttctg ctcatctgag gctcatctgc 180
tccggcctcc aagttgcttc tgattatccc ttgcgaaagg tccaaacca tactggggaa 240
aaaagagaaa aataataaca atatttagcg agatggaaaa gaatgccaaa gcttatcaag 300
catcatttca tatgtattct ccattggtac ttttctctaa tattcattaa catattcaca 360
tgttggaatg atac 374

<210> 15938
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15938

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aaatagtttg gcacagatag aataatcata atcagttagg atgctccatc acaattaana 120
aagaagactt aatggatgga gcaacgtgaa taacaacaaa ttataaattc aaagatgtgt 180
ttttttgttt cattaaatta gttacaatag tacacttaaa aaaaaagtta caatagtgac 240
taaataccgc caaatttaag gatcaaaatg ttagcttact cattttcttg ataaaaatcg 300
ttgactttta aattgaataa aatattaaat taatggaaga atntgttaaa tntgtttgaa 360
tttgattat ctttacaata gtgattaata taaaatcaag attttataac aatgttttac 420

<210> 15939
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15939

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caaaagatca agatgagtta gtaggttaaa accataaaca acttcaaaag gagaacaatt 120

agtagtgcta tgaacaactc tattgtaagc aaactcaaca tgttgtaaac aagcttccca 180
 agtctttaag ttcttcctca aaactgtcct aagcaaagtt cccaatgtcc tattaacaac 240
 ttctgtttgc ctatcagttt gtgggtgaca agtggttgaa aataacaatt tagtgcccaa 300
 cttgccccac aaagtcctgc aaaaatggct taagaactta gagtccttat cactaacaat 360
 gctccttgcc aacccatgga gcttcacaat ctccctgaaa aacaaatcag ccacccggg 420
 agcatcatca actntntac atggaataaa at 452

<210> 15940
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15940

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 tttgttccca aagcttcagc tagacttgct caaaatcgcg aagtgaacct tggatccctg 120
 tcagatacaa tactagaagg aatttcatgc aaccttacta ctttcttgat atacaactcc 180
 acgtagcttt ccattctata cctcatattc actgcgataa aatgagcaga tttggtgagt 240
 cgatctacta tgaccacaca 259

<210> 15941
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15941

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 caagttgaaa gccttgaggg aaaaaggatg gcctatgttg ttgtggatga tntctccaga 120
 tttacctgcg tcaactttat cagagaaaaa tcagacacct ttgaagtatt caaggagttg 180
 agtctaagac ttcaaagaga aaaagactgt gtcacaaaga gaatcaggag tgaccatggc 240
 agagagtntg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300
 ttctctgcag ccattacacc acaacaaaat ggtatagttg aaaggaaaaa caggactttg 360
 caagaagctg ctaaggtcat gctccatgcc anagaacttc cctataatct c 411

<210> 15942
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 15942

tcagcaccac tcttaacatt tctgatctaa ctctttttgc aagtggagct gatattgagc 60
 aggaggaect aacacatttg agggctcaatc ctcttcaacg ggaaggggat gatgcaatcc 120
 tccctaggaa gggaccaatc actagaacca tgagcaagag gctccaagaa gattgggcta 180
 cagctgctga agaatgccat atggttctca tgaaccttaa ggtagatttt tgaacccatg 240
 gaccaatgat ggttacaatt atctttgtac atattagact acgaattcat tatactcggc 300
 ccttgtatat atggctccat attgcaagta tgggtgccta aaatatatg 349

<210> 15943
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15943

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 ggtcgtggcc aatgaagagg aggaagagga gatcgtgata attttgacaa taatgaatgg 120
 aggagccatc aatccactan aagttgtgga agaggaagag aaagaggtag aaacaattat 180
 gataaagcat atgaaaggag gtatgataaa tctaattgtg aatgttttaa ttgtcataaa 240
 tatggccatt actcttggga gtgtagaaca aatgttgaag agaagggtcaa tcttgttgat 300
 gataaagaag ataaagaagt tgaagagcca gcactactac tatcnactta taatggtgag 360
 aaggaagaca aatgcttatg gtatcttgac aatggagcaa gcaatcacat gtgtggatgc 420
 aaagagaaat ntgtggaact tgatgagaat 450

<210> 15944
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15944

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 aaaaactggt ctactcttg tggcttcagc ttctctttct tgaaattttt ggggagagtc 120
 attcaacact gcagctacta taatcaatta tcttccttca cctgccctta acaatatgag 180
 tccttttgaa aaattgtttc ataaanaacc agattataaa gtcttgagag tgtttggatg 240
 tgnctgtatc cctatttacy acctcattaa taacacaaac ttgaccttcg gacacatgt 300
 gcctattcat tgggat 316

<210> 15945
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15945

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 agttatggat accatgacaa ttcaccatca tcttcacttc tagttggagg ccattgataa 120
 acttcacaca tttagacctc tccctagctt cccctgata atgaggaaaa taccttacca 180
 ggttctcaaa cctagctgca tactctgcca ccgacatgct cccctctttc gactctaaga 240
 actccatctc tttcctatnt ttcacgtctt ctggaaaata cttctctaga aaagtgtgtc 300
 tgaaagtccc cgatgggaca atagcaccac ctgctccctc caaacgtgga cgagtgttct 360
 cccaccagta ctctgcctca tctgccagca tgtgattaga aaacaacacc tttttctagt 420
 c 421

<210> 15946
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15946

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 aacagaataa actttcatat ggattntagt cacagcccaa caattcacca ccttgaacta 120
 acattcatat aagacacaaa ctgcacctc caagcataca cgaactcaac cctaacaatc 180
 aacattgagc aagcttaagc agtgcataaa cttgctcttt ggaactggct ttgtgaacat 240

atcagcaaga ttgtgcagag tgttgatctt atgaactttg attcttcttt ctgaccgaat 300
gaagtgatat ctaacatcta tatgcttggt tctatcatga taaacctgat ccttggccaa 360
gcatatagca ctaaggctat cacagtagat gtttagcatat tcttgattaa ttccgagatc 420
atttatt 421

<210> 15947
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15947

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gttcgaagac aaccttcttt ctccctttgt tggcttggtt agcatagctt ttatttttcc 120
tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc ttgcttgac 180
cttctttatg cttaaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240
ggttaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acagctctat 300
tgtaagcaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttctcaaaa 360
ctgtcctaag caaagttccc aaagtcctat taacaac 397

<210> 15948
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 15948

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agtcttcttt tccattgttt attacaaaac atttgctacc aaaaacatga agatgtgaaa 120
tgtttggttt tcaaccattg aacaatttat atgggggttt ctttaaaatg ggtcttatta 180
aagccctatt catgatatag catgcagtat taacggcttc agctcaaaaa tattttgga 240
gaggggtatc atttaataag gttctagcaa tttcttcaa agacctatnt tttctttcaa 300
taactccatt ttgttgaagg gttctatgtg cagaanagtt atgttcaatg ccatgctttt 360
cacaagataa atcatattct ttattttcaa actcaccccc atgatcactc ctaat 415

<210> 15949
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 15949

ttttggtgag gtagccatgg aaaagcagag cgtttggaar gggttatcca atttcagaga 120
 actgtttgggg gatgctgaaa acgagattat cacgaatata taaatttgaa tgaggaatgt 180
 aaagggccgt gtgaaacaac ggtcgaattt gctttgggtc agtagtgaac gtgctattaa 240
 tgttatgtga ttcgtttggg cacgttcaga tatcagtagt tgctacaatt tctctagcag 300
 aacaatgcc aacttgcccc ttcagttttc aaactggttt gcatccaatg cctttgtgaa 360
 aatatac 366

<210> 15950
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15950

tctttgacat ataatggacg agaaagtagt caaaaagcat gttgacgtgg aagatgacgt 60
 ggtcgtggcc aaggaagatt atgaagagga gatcgtgata attntgacaa taatgaatgg 120
 aggagccatc aatccactag aagttgtgga agaggaagag aaagaggtag aaacaattat 180
 gaaaaagcat atgaaaggag gtatgataaa tctaattgtt aatgttttaa ttgtcataaa 240
 tatggccatt actcttggga gtgtagaaca aatgttgaag agaattgtcaa tcttgttgat 300
 gataaagaag ataaagaagt tgaagagcca gcactactac tatcacttaa taatggtgag 360
 aaagaagaca aatgcttatg gtatcttgac tatggagcaa gcaatcacat gtgtggatgc 420
 aaagagaaat ttgtggaact tgatg 445

<210> 15951
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15951

agcttctcag ctatcttgct tectcactag cagntgctag tgctatcatc tcacattcca 60
tagtggactg agctaagata gtctttttct ttgacttcca agagacagcc ccaccagcta 120
tgctaaatat atagccgctg ggtgctttgg aatcatctga aagagtgttc taatctgcat 180
ggcgtatcc tccaaagtaac gggggaacc ctctataatg tcatccaaag gctatggctc 240
tattaaagtg cctcattacc ctttcaata 269

<210> 15952

<211> 233

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15952

catcaaaggt aattgaaaac ttgggaagaa tggttacctc atgttgaatt atcttataat 60
anggtagcca acactaccac ttctttttcc tactttgagc ttgtttatgg ttntgacctc 120
ctatcttctc ttgatttaac tcctttacct aatgattctt ctattttgag taaagatggg 180
atttctagag ccactcttgt taaggatctt catgaatggg tgagaaatca aat 233

<210> 15953

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15953

agcttctcat ttgtacggng actcttcact ggtgatccac cagctgatat gagaatggga 60
aactanagac cccaagctga taccctacca agcctatatc aaggaatagt gctggttctt 120
tgatgagatc tccttccatc atgttccccg agaggaaaat catattgcaa atgcgcttgc 180
cactttggca tccatgtttc agctaacacc gcacagggac ctaccataca ttgagttctg 240
gtgtcgtggc agaccgcac a 261

<210> 15954

<211> 288

<212> DNA

<213> Glycine max

<400> 15954

agctacaaca ttttaccact tccaggggtgc tggaactact tctcatggac ttgatggggc 60
ctatgcgagt tgattgcctt ggacgaaaga tgtatgccta tgttgctgtg gatgatatca 120
acagatttac ctgagttctac tttatcatag aataatcata cacctttgaa gtactcgatg 180
cgttgggtct gggccttccc agggactaac cctgtgtcat ctatagaatc aggaatgac 240
atagctgata ttctgaaaac agcatgggtt ctgaattctg cgcctctg 288

<210> 15955

<211> 273

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15955

agctngaatg atgtatagat ccttgattct tcaatggcca ccacaatgtg atcaaacttt 60
gatatcaatg ttctaagcac cttttcaatc accaattggt ccttaatttg ttctccacaa 120
cacttcatct ggttggtgag tgtgagaatc ttggtgagat actcaactac tgattcagtc 180
tcctccattg caagaagctc atactatctt ctcaatgtct gaagtntcac cttctttatc 240
ttttctgcaa cttcatgact ctttacaaga atg 273

<210> 15956

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15956

ttttttcact tcatacatct ttttcttctg aaaatatatt tgaaaattnt aacaacatta 60
atttaagtat tcatattaat atagtattgg ttaaaaaatt aaataaacat tgatttgaat 120
gcaatttaca aattattaga tatattatca atccttaaac caaataaaat ataaattaaa 180
ctacattata ctatgatata tnncaataat tctattaata ttgatcacta ttgctaacaa 240
tngatttact gctatatatt tgatattgat accatataat actaattacc ta 292

<210> 15957

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15957

agcttgaatg accatttgat agccatgttg gacatgccaa agggtgccat aagtaggtag 60
ttttgctttt gaatttttag acagaaatgg ataaagtaga gggacaaata gtccattttg 120
aaaaaaccta ttgtgaacct ctttcagata tgaataracc tgattcagaa gggagaact 180
tgcatacata tctcaatttc aattgaaaca tgggtttgat tcacactcca tgtttctgaga 240
aatatntacc atccaaanaa aggagagata 270

<210> 15958

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15958

agctntgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tcttggttac aaaattcgaa aatctgaaga tgaatgagga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgnctt 240
gggagagagg gatacagatg ataagctgg 269

<210> 15959

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15959

agctttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa ttacttcccc aattaaaaat 120
ctatttcact ttctactcaa gttataaatn tccttaacaa tgaacttctt aaatattaat 180
tcaaataaaa acaatttgaa tataaatata aagcaataat aaacaaagga gtttaaggga 240
agagaaagtg caaactcaga attataacctg gttcggccaa acccttgtgc ctacgtcaag 300

<210> 15960
<211> 351
<212> DNA
<213> Glycine max

<400> 15960

agctatggtt ttccgaaatc tacactccct gttgtctttt ggggaccagt ttctcatgaa 60
caggggcttg accaggaatc atttgtatgg gttggatatg gaattcaggt tgttcrrggt 120
ttgatggtgc tttggtggat gatggagatg atggtacaga gggatgaacca ggagctgaag 180
tttcttttgg tgaagtagcc atggagaagc acagcttttg gagtggtttc gtgaatatct 240
gagaagtgtt gaggaatgct gatgataacc agattgccac taaaatatga gtttgaatga 300
tgaatgtaga tggacgtgtg aagcaacggt cgaatttgtg ttgcccagt a 351

<210> 15961
<211> 409
<212> DNA
<213> Glycine max

<400> 15961

ctcagcttca caagcaagct tccatcactt tctctccctc tccctccact catcttctcc 60
taccttcaag ctcttaccba tggcttccca tgttggtgag ctttttcttg actcatcttt 120
tccttgaagt ggcgtctcca atcatctttc ttccatctcc attctgctac cgttaaactt 180
caagaagcaa gggactccat tgatgaagat gatccaaggc ctatatgctc cacattgagt 240
tacattacga aaaatacttg tttgaaaatg taaacaatta caaaacatat tatatatatt 300
tatatatattt aaattacaca cacacacaca tattcaagtt ttacttaaac taaaaaatac 360
ttaaataatg tatgtgggta ctagaatata ttacaaaact aactaatc 409

<210> 15962
<211> 364
<212> DNA
<213> Glycine max

<400> 15962

ttagatgtta ggtgatgcaa tctacttttg caaggtcatt ggatagaaaa ctccaagttg 60
attgggcctt agattcaaga tagagccctt aggtacttat aaccttatgg taaatttctg 120
gcccattggtc taagtatgaa cccacttatg ttgcaaata ttatataaaa gcttcattat 180

tcttgggcct tgtatTTacg gctccctaata gtatgtacgg taccctaaat atataagatt 240
 cttcagccct tgtgtTTaag ggcacctaata ctagtTTttg tattaggggt atgttagtaa 300
 ttccacatgc actaagtTga tatttgatgt gtgtggaatg aaattaaatt aattgagttg 360
 gtTC 364

<210> 15963
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 15963

tcaacattca atttcgaggg tctcgatata ttactgtact caatcggaca tccgagaaaa 60
 aagttattgt catttgattt tgctcagagc atcaacattc aatttcgagc gtgtcgatat 120
 attacgggac tcaatcggac atccgagtaa aaagttattg tcgtttgaat ttgctcagag 180
 cttccgtatt caatttcaag cgtctcgata tattacagga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgaa tttgctcaga gctttgggat tcaatttcga gcgtgtcaat 300
 atattacagg actcaatcag acattcgagt aaaaagttat tgctgTTtga acttgctcag 360
 agcttccgca ttcaatttcg agcg 384

<210> 15964
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 15964

gaccttagaa tctcagctca catcagaccc ttccgggtgc tggaactact tcacatggac 60
 ttgatggggc ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgtgggtgtg 120
 gatgatttct ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgca 180
 actgtcaagc acttcacat ctttggaagt ccatgttaca ttttggcaga tagagagcaa 240
 aggagaaaga tggatcccaa gagtgatgca ggaatattcc tgggatactc taaaacagc 300
 agagcatata gagtattcaa ttccagaacc agaacagtga tggaatccat caatgtggtt 360
 gttgatgatc tgtctccagc aagaaagaag gatgtcgaag aagat 405

<210> 15965
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 15965

agcttgttgc ttatgttgaa aagcagcacc acggaaactg gcattcagtg cctgccaaag 60
 cgggtaataa aacttttttg tattcctttt tactcaatct atgaattgag gtttttaaatt 120
 gcggttgcaa atacatttta gatttgtgat gatccttgat attgtgggac attgtagaca 180
 aatgcagtcg atcgataagg ttgcaattgt agttgcaatg tgaatgcaga tattcctaatt 240
 tttgtttgtt acatacattt atatctaggt cttcaaagat gtggaaagag ttgcatgctg 300
 aggtggatca attacctcaa gccagatata aaaagaggaa actttatcat ggatgaagac 360
 c 361

<210> 15966
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 15966

atcttgttgc ttatgttgaa aagcactacc acggaaactg gcattcagtg cctgacaaag 60
 cgggtaataa aacttttttg tattcctttt tactcaatct atgaattgag gtttttaaatt 120
 gcggttgcaa atacattcta gatttgtgat gatccttgat attgtgggac attgtacaca 180
 aatgcagtcg atcgataaag tagcaattgt agctgcaatg tgaatgcaca tattcctaatt 240
 tgtgcttgcc acatacattt atatctaggg ctgtaaagat gtggaaagag ttgcatgctg 300
 aggtggatca attacctcaa gccagatata taaagacgaa acttcatca 349

<210> 15967
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 15967

cttcaacttc tgaccacttc caggggtgctg gaactacttc acatggattt gatggggcct 60
 atgctagtgg aaagccttgg aggaaagagg tatgcctatg ttgttggtga tgattttctcc 120
 agatttacct gggtaaaactt tatcagagag aaatcagaaa cctttgaagt attcaaagag 180

ttgagtctaa gacttcaaag agagaaagac tgtgtcatca agagaatcaa gaggtagcat 240
ggcatagaat ttgaaaacag caggttctact gaattctgca catctgaagg catcactcat 300
gagttctctg cagccattac accacaacag aatgggatag ttgagaggaa aa 352

<210> 15968
<211> 398
<212> DNA
<213> Glycine max

<400> 15968

taaacattca atttcgaggc tctcgatata ttactttact taatcaagca tccccaaaaa 60
aagttattgt cgtttgaatt tgctcacaga ttcaacattc aatttcgagc gtctcgatat 120
attacgggac tcaatcaaac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180
cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240
aaaagctatt gtcgtttgaa tttgctcaga gattcaacat tgaatttcga gggctctgat 300
atcttacggg actcaatcag acatccgagt gaatagttat tgctgtttga attggctcag 360
agcttcaaca ttcaatttcg aggggtctcga tatattac 398

<210> 15969
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15969

ctttatgcaa gtcaattttc aggaggtatc tcggagagga tcttttccgg gcatatttgc 60
gcaaaatctc ttgaactagg aagatgttgt ccatcatctt tctgttctta atgaaaccag 120
tttgagtttc tccaataata gtctcaagca ctagggtat gcgattgacc aaaattttag 180
acacaatctt gtataacaaa ttacagcaag atatgggtct aaaatggtta acctgngagg 240
cctgatcatg cttatgaata agcgcaataa tagcatgggt gagctgcttt agaatttttc 300
tagttgtata gaattcatta accgctgcaa atatatcatc accaatgata tt 352

<210> 15970
<211> 431
<212> DNA

<213> Glycine max

<400> 15970

agcttgcgag ttcaattacg agtgccctgta tattgatgcg cctgaatcgg acatacgagg 60
gaaaagttat gaccatttga atttctcgag agcttcctat gtttaatttg gagcgtctcg 120
ctataatata cgcctgaata gaacccctgc gttgacggt atgacctat gatttcttt 180
agagcatccg atgttcattt cgcagcgtct ctatatgtga tgaacctaa tcggacctcc 240
gtgtgaaaag ttatgaccat ttgaatttct agagagctta cgttgttcaa ttctgagcgt 300
ctcgacatat tatgcgcccg aatcggacat ccctgggaaa cgctatgact atttgaattt 360
ctcgagagct tccgttgtgc aatttcgagc gtttgaacat attgtgcgcc cgattcggac 420
atccagggga a 431

<210> 15971

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15971

atcttctcga gaaattcgaa tggttataac ttttcacaca aatgtccgat tcggggacat 60
aactcatcta gacgctcgaa attgaacaac gcaagctctc gagaaattcc aatggtcata 120
acatttcgca caaatgtcca attctgggac ataatatatc aagacgctcg aaaatgtatt 180
acggaagctc ttgggaaatt caaatggcca taatttttca catggatgtc cgatttggga 240
aaataatata tcgagatgct cntaattgaa caacgaaagc tatcgagaaa tccgaatggc 300
ccgaactttt cgcacggatg tccgattcgg ggacataact catctaga 348

<210> 15972

<211> 312

<212> DNA

<213> Glycine max

<400> 15972

agctttgcta tgtataacaa tctcacctct atactgggag gaaccagtgg tctcttccct 60
ttcaactctc tagttaagaa gtccagtttc ttttcttcat ccattcact gtacgtgccc 120
atatccaaat accttgtaat tacatcaatg gtttcagcat gtctgcttga ttctgtcac 180

actgctagtt tcaggccaca actgattatc caaacaataa tgaacaaaaa actttgaaac 240
 atacctgacg caagtcaagc ttcattaaca ccatgccaaa agtagcaact cttcgatcag 300
 atcagctagt cg 312

<210> 15973
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 15973
 ttaaaagatt ggctaagatt ttgttaacac ataatcactt agactatgaa ggagagctgg 60
 agttgctgca catgatgtcc aacgttatat caaggaatga gatcgggctg cacaatgctc 120
 aacgctagat gaactgtcac atgaagtatt gaagctgcac gatccacgat gtctaataca 180
 atgtcctgac atgctgcccg ataatactgg acttgctgct caatgcaaga tataagtcaa 240
 gtgctgaact gaagttgcat gatccacgac gtctgataca atgtcctgac atactgcccg 300
 aaaatactgg agtcgctggt caatgcatga ttacagtcga gtgcaaaatt gatgctgcat 360
 gatccacgat gtcagacacc atgtcctga 389

<210> 15974
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 15974
 tagcaaatta gaatatttat acctttctgg aaacttccta gtgggccagt tgccatcatc 60
 attgtttggg ctaactaagc ttagtgattt agattgttcc gacaataaat tagttggccc 120
 aatgccagac aaaattagtg gactttaatt tctaatttaa tttatctgga tttgtctggt 180
 aactccctgc acgaaacaat ccccatttat ctggatttgt ctgggaactc cctgcacgaa 240
 acaattcccc aatggtgctt ttctttgtca tcgttggttac gcttatctct ttacggaaat 300
 cagcttacag gaccaattgg tgaattctct tctttttcct tgtattattg tgatctctct 360
 tataacaagc tacaaggtaa tatcccaact caat 394

<210> 15975
 <211> 314

<212> DNA
<213> Glycine max

<400> 15975

atctttctgc ctgcttgtac ctgcaatttg atttagatga atatccagac aatgatgcat 60
ctatataggc cacatgtcaa tatccattac ctgcacataa ttccgctcac atatgttggt 120
aatatgaaca ggaatcgatg cactcgttcc tatccattc ttctccatca gggataacag 180
ctcactttca gtaaggaaat ctggaggact ggtgctcccc tgcagaattt gtggtggttag 240
ctatgtgtaa tacacacaga actccaatgg gaaatgaatt tcaaccttat ttcttctccc 300
cagaaatggt tata 314

<210> 15976
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15976

tgtgcaatgt ctgaaattgc gagtatttan gaatatgaaa ataagcagaa ttaagaatcg 60
atgtataacg tcacgggggtt gaatgaataa actgaattaa tattataaaa tttgggttttg 120
tacttttatt gtctacataa aattacaaca ccaaattttt agaggatgcg atgtaaagaa 180
gtttttgaat tttgatggac gatgtaaaga agtttgtttt attaagttgt tgaaactcaa 240
atgtttgcat tgtaaaaatt gtcaaaactc attgttatta aacttttact taaattactt 300
ggtaaacgaa aatgtataaa tggttaattg tttccttaat aacgaaattc tatttggttaa 360
atttaatagt atatttattg aaggaaattg tattact 397

<210> 15977
<211> 347
<212> DNA
<213> Glycine max

<400> 15977

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagcta 60
gtgaagaaga atgtggcatt tacctagggg gaaaaacaag agcaagcctt tgcttttgcta 120
aaaaagaagg ctctctaagg cacctgttct agctcttctt aactttttcta aaacttttga 180

gctagaatgt gatgcctctg gagtgggagt tggagctggt ttgttacaag gtgggcaccc 240
tattgcttat tttagtgaag aacttcatgg tgccaccctt aactacccta cctatgataa 300
agagctttat gccttaataa gagcactccg aacttgggaa cattacc 347

<210> 15978
<211> 400
<212> DNA
<213> Glycine max

<400> 15978

ttcatgactt gcaatctttc tatagaatgg tgacttatac gaaaatgcc acaatctata 60
gggatgacat tacatcttgg atgggtaatg gcggagcata tggatcttga atgtgatggt 120
ttcaaggtaa gctgataaag cccatgactc acttcaactg taccaatctt cgctttggtg 180
ttgatatcct gcaaaacaca agtattagag gagaagatta actcgtagct gtttgtggaa 240
atgagtttgg atatggatat gagattaaag ctaaaagaag gtatgtatag aacatctttc 300
aatgtaattg aagaggtgag atggacggtt cccgagtggg tggcatgaac ttcgtgtcca 360
tttgtaact taactagaat gggtttaat 389

<210> 15979
<211> 400
<212> DNA
<213> Glycine max

<400> 15979

tctgtaatcg attaccagaa gcaaaaatga ctttgaaaag ctttcaaaaa gtttgaattt 60
taattttaaa agatgtaatc gattaccact attgtgtaat cgattaccag tgacagaagg 120
ttttgaaatt caaactgaaa agacatgact cctcaaaaat taattgtgta atagattacc 180
acagatctgt aatcgattag cagtgaagaa atttcaaaaa taactctgaa aagtcacatc 240
tcttcataag tttttgaaaa gccaccaaag gcctataaat atgtgacttg tgttcgaaat 300
tctggagagt tttttagaac ctcatgtct tattctctca taagaaaacc ttgggccaca 360
cactttcaaa acaattaagg attcatataa gttcttcaag 400

<210> 15980
<211> 400
<212> DNA

<213> Glycine max

<400> 15980

tgtaatcgat tacacacata cagtaatcga ttacttttagc acatttttcaa aaaatattct 60
caacagtcac atcttttttat gtggtttcttg aatggctatc aaaggcctat atatatatgt 120
ggttcggtgc agaatctac gctggttttc cggaggtcac aaaggtctta tctctttctc 180
aagcaaatcg tgttatcttc ttacaaatcc ctgggccaaa ttacttggtga ttcaataagg 240
aattatttga gtgctcaaat tgttcagtct atctctttca agagagattt cttcttttct 300
tcttcttcat tctgaaaagg gattaagaga ccgaggggtct cctggttgga aagaattcta 360
aacacaaagg aagggttgtc cttgtgtggt tagaacttgt 400

<210> 15981

<211> 363

<212> DNA

<213> Glycine max

<400> 15981

agcttgagag ggttatggac cgaacgatag aatgtcttat ccaaaataaa ctgtatgtag 60
atagctgaag tcttcttttt ggctcagaac gatcaattgc tgtgataagt cccttaactc 120
ctgcctgaca aagatcttga aacctccggc cacttgcaaa atcttgaaaa tatttgctaa 180
tcacgaacaa cacaagccgg agattgtgct gcaaccgaca tcacaatggt ttcttaatct 240
cagtataact aatactcatt ccaaagaata tcaacaaaca ctgcaacaat taaaccattc 300
atatccaaag agacaaagag agagaagaaa tatgaacgga gatgtcatat atcactgac 360
ttc 363

<210> 15982

<211> 398

<212> DNA

<213> Glycine max

<400> 15982

tatcagaagg ggaatggtaa aataccacct caagctgata ttattaaggt ggcaaagtgt 60
ttcttttgca agaagaaggg acacatgaaa aagaattgcc ccgggttcca gaaatggctt 120
gagaagaaag gtaaataaat ctcatagta tggtatgaat ctaatatggt tagtggtaat 180

attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacaggg 240
atgcaaaacc taaggaaacc agtgggaagt gagcaaagca ttttatcagg caataagcta 300
ggctcacatg tggaggccat tggaacttgc attttgactt taagtagtgg ctttatttca 360
aaattagaaa ggacttttta tgtaccaagt ttttcccg 398

<210> 15983
<211> 368
<212> DNA
<213> Glycine max

<400> 15983

agctttgaga agtagtctat tgcttttctc tcatagccat tcatggcaag tgatattata 60
atgaagttcc aacatgataa tctgttggt gtgggtgatg cccgaaacac ttgaatacc 120
ttta'gatag ctccacactt gcagtacatg tcaataatta ttgtgagaac aacgacattc 180
aactcaaaat tccccttttt acataatcat gaaccactc cccatgttga agtgcaccta 240
agtgagcata aacacttaac aaactcatca ctgtaaattc actaagctga acccttcgtc 300
tctgcatctt gcggaaaagc tccaatgcct ccataagccg tttattcctt acatatccac 360
taatcata 368

<210> 15984
<211> 403
<212> DNA
<213> Glycine max

<400> 15984

tatagaatat ataataaaag aacaatgaca attgtttagt ctattcatgt ttcctttgat 60
gagtctaattg ccattcttcc aaggaaggat ttttttagatg atatttcaga ttccttagaa 120
gatacacata ttcattggaaa tgactctaaa gaaaaagatg aaggaagcaa tgaagattct 180
caagataatg gagttagaac aaataatgaa cttccaagag aatggaaagc ctcaagagat 240
catcccctcg acaacattat tgctgatata tcaaaagggg taacaactag acattctctt 300
aaagatttat gcaataatat ggcttttgta tctatgattg aacctaataaa tataaaagat 360
gccataatag atgataactg gatcattgcc atgcaagaag aac 403

<210> 15985

<211> 317
 <212> DNA
 <213> Glycine max

<400> 15985

agcttatgtc tgggtcaaata cagatttgag catacataat actcccaaca actgatgcat 60
 atgaattat tctatttcc ctcggttcca gatcattct aggacattga gggagactca 120
 atcttctccc ttcttgaatt ggaatgggaa atgatgagca cttttccatc ctatataact 180
 ctagtacttt attgaaatat gcttcttgag acaagcctaa caatccttgt gatctatttt 240
 ggaatattct atttgtatca catacgttgc ctcacccatt tccttcattc aaagttacta 300
 aaaagaacct tttagtc 317

<210> 15986
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 15986

agcttatgct gcaaacattt ataatagacc tcctcagcag caaaaccaac aatagcagaa 60
 gaattatgac ctttcaagca atagatacaa tccagggttg aggaatcatc caaatctaag 120
 atggacaagt cctccacaac aacaacagcc tgtccctcct tttcagaatg ctactggtcc 180
 aagcaagcca tatgttcttc ctccaataca gcaacattca caacaaaaat aaataacccc 240
 ccctaattcg ttactatttt attactatct gttatgaacg ttgggttgac cattgctcgt 300
 taggagatga cctatgatca cttcctagat actgcatttt taatgtttat ttgatttggg 360
 tgc 363

<210> 15987
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 15987

tgaggtattt gtgccatagt aggccagata tttcttatgg tgtgggcttg ataagcagat 60
 atatgaatga ttcgaggact tctcatatgg ctacaacaaa gagaattttg agatatgtga 120
 agggcacact tgactatgga ttgctattct ccaaatacata tcataatcaa agaataaggt 180

taattgtttt ttctgatgca ggagtgggtga tgtagaggac aacaaaagca ccaactggata 240
 tgtcttcaaa ttacttggat caacaatctg ctggagtctt aagaaacaag aagatgttgg 300
 acattcaact tgtaagtcag agtacatggt tgctgtctta tcagcttgac aattagcctg 360
 gttggagtca ctctttgcag aattg 485

<210> 15988
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 15988

tctggtggga catcttgact tgctttccaa tctgacattc acttctagat tctgccttct 60
 tctattttca gattgggaat gcctctcaca gcacctttgt caatgatttt cttcatgcct 120
 ctttaagtga gatgtccaaa tctttgatgc catattttga cttcatcttc tttggaggat 180
 agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacaatt gtcctttgat 240
 ctgctgccct tcattagaac ttcactcttc tcatttgta ccaagcattc tgactttgtg 300
 aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt 360
 cccttcacca gcagtacttt gtccagacta ggaagt 396

<210> 15989
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 15989

tctcaacgcc ctaaacccca gaaaccccaa ctaataaaat tattccaaaa aaaattaaaa 60
 aaaaataaac gcataaaaac cctaattgcac cagaaaattt caggaaaaaa aaaaacctac 120
 caacacaacc ccatctttgc acttgatccc aataacagtc ctgcaacaaa gtttcaaata 180
 taagatcact accaatacaa aaattacaaa atcattttaa aaaaaaaaaac atactcataa 240
 ttattaaata aactcttttt ttcaatttta aaaccacgaa tttaaaagta taataataat 300
 aataataata ataataataa tgataagtac caaccgctg ttgtcgacgg ctttagcggc 360
 atactcgatc tggaaaacgc ggccatcagg ggagaaag 398

<210> 15990

<211> 348
<212> DNA
<213> Glycine max

<400> 15990

agcttcttat tcaaggcaat tcttggtggt gaagctcctt cttccttggc ttattcccta 60
gggg ggag cttcccccct cctcccccct ttgccttc gccgcctctc catgatgaaa 120
atcccccctt ggcgggcctc attgaagatc atagatccag cctccataga agctccaccc 180
gcaagcttcc atcaagttat gaccatttga atgtctcgag atcttccgtg gttcaatttc 240
aggcgtctcc atatgtcatg tgccctgaatc ggacctccgt aagaaaattt atgaccattt 300
gaacttctct agagcttccg tagttaattt cgagcttctc gatatctg 348

<210> 15991
<211> 382
<212> DNA
<213> Glycine max

<400> 15991

tgtgcattca atatcctgat gaggggtgtc catatgttct caagactgga ctaatacatt 60
tgctgccccaa gtatcatggt cttgcagggt aagatcctca taagcatctt aaggagttcg 120
atattgtctg ttccaccatg aagccccctg atgtccaaga agatcatatc tttctaaagg 180
cttttctca ttctctagag ggactggcaa aatattgggt gtactacctt gctcccaggt 240
ctattttcag ttgggatgac cttgaagagg tgttcttgga gaaattcttc cctgcatcta 300
ggaccactac catcagataa gacatttcaa gcacacgta acttagtgga gaaaacttgt 360
atgagtactg ggaaagattc aa 382

<210> 15992
<211> 363
<212> DNA
<213> Glycine max

<400> 15992

atcttcataa ggccttgtat ggtttgaaat aggctcccag agcctggaac aagagaacag 60
atacttttct cttacaagtt ggattcatga gatgcactac tgaatatggt gtgtatgtta 120
aaagagaaaag tctttcagac atcctcatag tgtgtttata tgtggacgac ttgttgataa 180

caggaaaaga tttcaatgct atctcgacat ttaagcaaga gatgaaatct gaatttgaaa 240
 tgtcagatct tagagaatta tcatattttc tgggcataga gttcaagagg acaaaggctg 300
 ggatttttat gcaccaaagc aaatacacia ctgatgttct aaagaggttt caaatgtttg 360
 act 363

<210> 15993
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 15993

tgccagcagc aacagatttc ttgagatgaa cgaggacaag cttctttagt gttgcaggca 60
 actcctttagt cttcccttcg atgtatttgg ttatcgcgta ttggctcgaa ccggttctct 120
 ctttcagact cgcaatcgcc tctgctatca tctacagaat aatcaaatta aatacaattg 180
 gaaaagaaat aaactaagag aattgatttt gaaggagagt attttgggaa agtaccacgg 240
 cgaagggagg gtgggagagg ggcttcttgg acgacgccgt tttcttggcc ttgggttgcg 300
 atgcggtaga catgatgatg gcttgattga aactcaaac gaaaaaggag taaccgttgt 360
 tgaaattgaa acaagagata gatagaaatt ctgagagaga g 401

<210> 15994
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15994

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 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tggtgtttagt gatgatttct 120
 ccagattttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaaa actgtgtcat caagagaatt aggagtgacc 240
 atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcatcactc 300
 atgagttctc tgcagccatc acaccacaac anaatggcat agttg 345

<210> 15995
 <211> 393

<212> DNA
<213> Glycine max

<400> 15995

tgggtacctc cttcttcaat acatcaagaa tcategggtt gagtcttctt tgtggctgtc 60
ttactgggtt agcccatcc tctaaattta tctgatgcat acatgtggat gggctaatac 120
caggaatgtc cgccagggtc cagcctatag ccttcttatg cttcttgaga acagataaca 180
acttctcttc ttgtcatca gcaagggagg catatataat tactggaaaa cttttgcttt 240
tatccaagta agcatatctt aaatttgatg gcagaggctt caattctggt gtgggaggct 300
ggataatggt agaaagagat ggtttctcag cctgtacctc ataaagaaag tcagaggat 360
gtgtacttcc tgaaacatgg ttaattctat ctg 393

<210> 15996
<211> 347
<212> DNA
<213> Glycine max

<400> 15996

atctttttga acgtcatggg aagatcacia aggtggttct tccaccacca aagtctggac 60
aggaaaagaa cagaattggc tttgtacatt ttgcagacag gtcaaatgct atgaaagcac 120
tgaaaaacac tgaaagatat gaattacaac gtaacatatt gtccagcctt ttgtgggttat 180
tttatgtgaa tgttgggtcaa taatatttaa ggtttgttct acgtttcagg tcaactttta 240
caatgctctc tggcaaagcc acaggctgat caatagtctg gaggatcaaa cacacagaag 300
ccaggaccag gattgcttcc aagctatcca ccccatgttg gttatgg 347

<210> 15997
<211> 324
<212> DNA
<213> Glycine max

<400> 15997

agcttctgtc ctttgctaac tattggactg aatctcggtc cgggcaatta aaaagatggg 60
actgtacctg ccgaggaaga gggcttcttc gagggcgag cggaggctgg attcctgggtg 120
gccaagccc tcgcaagatc cacagtgttt tccggggcag tcgatgcggg tgccccaata 180
gaggacttt tcgaagggct gttgttgctg tcgctgtaag aggttggctt tcgagacggt 240

ggtggaaaga agagaggaga acaggaagag aagcgcaatc gctgtcactg ctgccgcgag 300
gagcagaatt cgggatctcg cgga 324

<210> 15998
<211> 439
<212> DNA
<213> Glycine max

<400> 15998

tcaagaataa tggcctcagc atggtggctg gaaatactac aatagagaaa cctagagaag 60
agtggctctga agatgaaaga agattagtgc agtacaattt aaaggcaaaa aatattatta 120
cttttgcctt aggaatagat gaatatttta gggtttcaaa ttgtaagagt gtcaaggata 180
tgtgggacac tttaacaagtt acacatgagg gaacaactaa tgtcaaaaaga tctaggataa 240
atacttcaac tcatgagtat gaattattta ggatgaagac aaatgaaagt atacaagata 300
tgcagaaaag attcacacat atagtttctc atcttgcctc attaggaaga acttttcaaa 360
acgaggatct cataaataaa gtgttaagat gcttaagtag agaatggcaa ccaaaggtaa 420
caaccataac agaattctag 439

<210> 15999
<211> 442
<212> DNA
<213> Glycine max

<400> 15999

agcttgtatg agtactggaa aagattcaag aaattgtgtg caagctgtcc tcaccaccag 60
atttctgagc aactccttct tcaatatttc tatgaggac ttagcaacat ggagaggagt 120
atgattgatg ctgccagtgg tggagctctt ggtgatatga cccctgttga ggctaggaat 180
ttgattgaga agatggcttc taactcctaa caatttagta caagaaatga tgctattgtt 240
cttagaggag tccatgaggt ggccacgaat tcctcttcat ctactggaaa taaaaagctt 300
gatgccttgg tcaacctagt aactcagctt gccatgaata aaaaatctac accttttgca 360
agagtctgtg gtctatgttc ttctgcagat caccatacag atctctgtcc ttctttatag 420
caatctagag tcaatgagca ac 442

<210> 16000
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 16000

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accttaaaac tcagcttcac aagcagcttc catcacttga taggttagat ccttttatct 60
tcttcgaagg gacataagta tatcttggtt gctgctgagt aatccaccaaa tgggggggaa 120
gaaattcctt tgaatgttga tcaaggggat ataataaact tcatagaaca aaatattatt 180
tttcgattta gtatcccata aacacttata acaggtcaag gcaccatttt tattgatcga 240
aaagtgggtc aatatgtcaa ttctcaaaat attaagttag taacttatac cccttattat 300
gctcaagcaa atgggtcaagg tgaagccata cacaagaatt tggttaagggtt aattaagaaa 360
catggccaaa aacctagaag ttagcatgaa agtttagacc aaattctcta tgcttatcaa 420
aattcaccaa aagggggcca ctattgt 447
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<210> 16001
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 16001

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tatcaaacat tagtcataaa gtgataagga ggtgatttct tcaaatagat cattagcaga 60
aaagaataat aattgttcac acttcacagg aaacaaaagc tatgaaaagg actgaaaatt 120
taaacagcag aatgagtttg tacctgtaca aacttggaag agccagaccc aagaggggat 180
ccaatgtaca gagccattga agctccattt agcaaggatg cgtatactag ccatggcccc 240
atcatccgtc caagattagt gggccagcac actacatcac ctttacgaac gtccatgtgg 300
caccatgcat ctgcagcagc ttttagagag taatattggt ccatggaatt gcctttggat 360
cacctatacc accaaatgag gtacattata ttagcttttg gctagcttca tatggtgagt 420
gaagtcttgg tat 433
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<210> 16002
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 16002

tgcttgtaat cgattacaca cataactgtaa tcgattacca gaggagattt tcagaanata 60
ttcttaacag tcacatcttt tcatttggtt cttaaattggc tatcaaaggc ctatatatat 120
gtgacttgag acatgaattt gctaagagtt ttcagaacaa aaagatctta tcttctttaa 180
cagaaaata cctcccccct ctacacatt ccttggcctc aacactgtg atccatcg 240
aaatcaatg agtgctttaa ttgtcctc tctctcttc agagagagt cctccctc 300
ttcttcttta ttctgaaaaa ggattaagag accgagggtc tcttggttga aagaaatctg 360
aacacaaagg aagggttgtc cttgtgtgtt tcagatcttg taataggaat ttacaagata 420
gtggaactct c 431

<210> 16003

<211> 436

<212> DNA

<213> Glycine max

<400> 16003

agctttaggc taatataaac gacaataact atctactcgg atgtctgac gagtcccgt 60
atatatcaag acgctcgaca ttgaatgttg aacctatgag ccatttcaca cgacattaac 120
tatttaactct gatgtgtgat tgaatcccg tatatatcga gacgctcgaa attgaatgtg 180
gaagctttac gcaaattcaa actacaatga ctttttactc agatgtttta tcgactccag 240
taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca tacgacaata 300
actgtttact cggatgtctg attgagtcct ataatatatc gagacgctcg atattgaatg 360
ttgaacctct gatccaattc atacgacaat aactttctac tcggatgtcc gattcagtgg 420
tgtaatatat cgggac 436

<210> 16004

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16004

agcttctggg aaaaatccac gagttntcag tatcaaaact cctagtgttt cattggaatt 60
aggagtaacc tacagtaata acaaattatc tcatgaatat atcattccaa ggctcattat 120

ttctcacgaa acttattcac cattagaaac aaagaggatt tacctttctc caactatgac 180
 caagaaattc attcacagct atagcattct gtccatacat cagtgggtgag gaccagtaac 240
 cccacacaaa ccatttgtgc acattctctg gctcanagaa cagaattatc atgataaagg 300
 ttcattacac taatcaactn tgaagttaca ttaccatttt cttacctcgc gaaatcacia 360
 atccctccan aaccagaact ataaagtatg canaacttcc aacagtatnt gcaactataa 420
 catcccttcc gaatg 435

<210> 16005
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16005

tgcttaacaa aaggcatgca aagtgggtgg aattcctaga gcaattccct tatgttatca 60
 aacataaaaa gggaaaaggt aatattgtag tcaatgatct ttctcggcgt catgcattac 120
 tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagaatg tatgaaaatg 180
 atgaatcttt tggagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 atttgcttgt ntgtgaagca catgaaggag gtttaatggg gcattntggg gtccaaaaga 360
 ctctagaaac attacaagaa cattnntatt ggccctcatat 400

<210> 16006
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16006

tgtgggattg tgtgatagtg attntgccgg agatgtttat gatagaaaaa gtactaccgg 60
 atttgatatt tttgtgggtg attgtgtttt tacatggagt tctaagaaga aaggcattgt 120
 gacactttct acttgtgaag ccgagtatgt agctgcaact tcttgacat gtcatgccat 180
 ttggctaaga agattgttgg aggaacttca gttgttgcaa aaggaaagca caaagatcta 240
 tgttgataat agatctgcac aagagcttgc caagaatccg gtgttccatg aacgaagtaa 300

gcatatagat acaaggtatc atttcattag agagtgcatt accaagaaag aagtagaatt 360
gactcatgtg aaaactcaag atcaagttgc ggatattttc accaagcctc tcaaatttga 420
agagtttcga a 431

<210> 16007
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16007

tgcttttata tttgagtacc tgaaaaatgg gagcctagaa cagtggctgc atccaaggac 60
attaactcct ganaagccag gaacattgaa ccttgaccaa agattaaata tcatgattga 120
tgttgcttct gcaatacatt atcttcatca tgaatgtaag gagtcgatta ttcattgtga 180
tttaaagccg agtaatgtac ttcttgatga tgatatgact gctcacgtga gtgattttgg 240
cttaacaaga cttctttcaa ctattaatgg tgccacttct aagcaaacia gtacaattgg 300
aataaagggg actgttggct acattcctcc aggtatgttc taaactccca aaaaattgtt 360
tctttgattt cttccctttt gatgaaaaac tgatatnnta ctaactacaa gtatggggca 420
atnnttctat at 432

<210> 16008
<211> 434
<212> DNA
<213> Glycine max
<400> 16008

tcacacaatt tatttttttt tatcaaactt gagtttttga aaaccaatta ctaagacttt 60
cctaactaga tgatttaaatt gatgcatgtt aatatgtgca gccctatgat gccacaatca 120
tgaatcatct atcttactca ccaagcaact tagctcatga aaagatacat gttcaacatt 180
caacatatag atattaccta ttctcttact gatctggaca actttaccgg atatggcttc 240
acttataaga catcaatttc tattgaactc tattttgaac cttttatcac aaagttgact 300
aatgcttaga aggttatgtc ttagtccatc cacatataac acattcttaa tctgagtttt 360
atgttgattc cctatatcat gagaatcatt atttttcctt tgttgttgtc tccaaacatg 420

accatagttt ggac

434

<210> 16009

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16009

tgagctcctt caactgctca aagctcttaa tattttatta gtatccttgn ggaaccttca 60

cccgacgaat agactgacaa aagcttattt tctccttttt ggacaaagta tggcacgctg 120

ggggcaaata aattctcttc ccatcagacc ttggatgcaa ctgtgatcgt atgccccatat 180

aagctagatg ttgacgggta ttcaagccat ccttcacctt gccttgaatg ttaaggagcg 240

taccaatcac actgtctcaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcacgatc agaccagcac ggaagatcaa agaaaataga cctcttcttc catatgcaac 360

tcttactttt atccttcttt tgggacttcc cagatatagg atgtaagtgt ggaacccgct 420

catatacctg c 431

<210> 16010

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16010

tatttgcatt ntaagacaaa tccccccac cccgaaggct gattctcaat ccagcagtcc 60

cttaccacct tgtggtaatg cttgttatta agccatccat canagacctt ataaggctta 120

ggaccccaat caatgctctt agatttcatg aggatagggc agtgatcaga gtagttcctt 180

tcaaggttgt gctgcgaact gtctggccac ttagaaagcc aaccatcaga gacaacagct 240

ctatccaatt tgctttttaca ggaaccatta ngcctaacc atgtgaactg cttaccacaca 300

ctangaatat cttccacctc catgatagca agccaatcat tgaaatctga catgatgctg 360

gactctgaat tccatgatng cttccatctc tctgaagggt cctaatacat aaaat 415

<210> 16011

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16011

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agctttaga tccccttgca ggactttntc ttgttccata ttgacaaaa caatacattn 60
tgaanaatat taaacaaacc tgtgctacac atagatgaca tgtgttggat acctacaaat 120
tatattatgt attgaaacaa aggtcatttt tatactctga atccttaata taacctctta 50
tacccttttc tttaaaattt acttagcgag tatttttttt ccagtgatca agatgattat 240
gaggttgtag aaaaagtggg cagggggaaa tatagtgaag tttttgaaag cataaatatc 300
aatagaaatg agcgctgtat aatcaagatt ctgaaacctg tcaagaaaaa aaaggtactc 360
ctttctttgc ttgtnttata ctagtttact cntacctgcg actgtgaata agccagcaat 420
gatgc 425
```

<210> 16012

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16012

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agtctgtatg aactcttagc ttatcggcct acttatatgc aaccattttg agaatagctt 60
gcatgtttgt gaaaatctta ccacaactat gctcctccag aaagattata atttgacata 120
ttttatgtca ctgtggttca tgcacaataa ctaactctcc tatagggtgt catagcgctt 180
attattttta atatattatc ataatgtaaa atctattgac taaacttata taattattat 240
gctatattat gtatcattaa aatntgtgta acatatttat gttgaaaatt attaattatg 300
tacttttatt aggaatgatt aaggaagata atataatcaa ctttttttgt aacataatag 360
tgcatagtgc ctcaattgat atataacatt atttttaaga atattgcta 409
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<210> 16013

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16013

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ttgcttcatt ggagcttgta ggcctaggat cttcttcata aatggattcc tatgcttctt 60
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gaaagatgaa tggcagtgga atggagaagg aagagagagg agatgccact tcaacgagaa 120
 gatgagttta gaagaagctc accaccatag gaggccatgg ataatagctt ggaggaagaa 180
 ggagatgaat gaagggagag gaagagaaga gcacaaatth ttgtgctcta aaagagctct 240
 gaaatctaaa gtttaatttt caaatgatca aagttggaaa aatgcacaca cataaccctt 300
 attratagcc taagtgtcac acaaaattgg agggaaatct aaattcttat tcaaatctca 360
 cttgaatttg aaattgaatn tgtggagcca aattttggag ccaaaatttc actaattatt 420
 gatagtg 427

<210> 16014
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 16014
 tgaaggtaaa ctagatgcct tggttaacct ggttacccaa ttggccatga ataaaaaatc 60
 tgcacctatc gccagacttt gtggtttatg ctctctgcc gaccaccaca cagacctttg 120
 cccttatgtt cagcaatctg aagcaattga atagcctgaa gcttatgctg caaacatcta 180
 caatagacct cctcaacctc agcagcaaaa tcagccacaa caaaacaatt atgacctctc 240
 cagcaacagg tacaatcccg ggtggaggaa tcctctcaac cttagatggt cgagtccttc 300
 acaacaacag caacaataac aacaacaaca acaacaacag caacaacaac cccagaaaca 360
 gcaaccaatt gagactcctc cgcaaccttc ccttgaagaa cttgtgaggc aaatgactat 420
 gcaaaacatg 430

<210> 16015
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16015
 agctttgagc agattcaaac gacaataact ttttactcgg atgtctgatt gagtcccaga 60
 atatatcgac acgctctaca ttgaatgctt atgctctgag caaattcaca cgacaataac 120
 tntttactcg gatgtctgat tgagtccgt aatatatcga gacctcgaa attgaatggt 180

gatgctctga gcaaattcaa acgacaataa ctttttacac ggatgtgtga ttgagtcacg 240
 taatatctcg agacgctgga gattgaattc tgaagctctg agcagattcg aacgacaata 300
 actatgtact cggatgtctg attgaatcca atgatataac gacacgctcg aaatagatca 360
 tgatgctctg agcatattca acgacataac ttgtactggg atgttgaaga gtctgaatat 420

370

<210> 16016
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 16016

taacaaaagg catgcgaagt ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttgggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattc 300
 tcttgtttgt gaagcacatg aaggagggtt aatggggcat tttgggggtcc aaaagactct 360
 acaaacatta caagaaacat tttattggcc tcatatgaca aaggatgtgc agaaattttg 420
 tgaacattgc attgtatg 438

<210> 16017
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16017

gaccttaaatt ctccgcttgc ggtactttta ctttctcaat gtacaaacat tttttcacat 60
 tgaatttatt atacatagta tatattttcca ttcagccttt tatataataa agttggcaat 120
 tgacatatat atttcacttt ttttatgata tggagagtca tgagatgttt tgattattga 180
 ttttattctg ggtacttttg gtatcattcc ttaagactat tgaagtgtgg aaagagctgc 240
 atactaatgt ggattaacta tctaaggcct gatatcaaga gaggctatct ctcaagtga 300
 taagaggaaa ttatcattaa gatgcatgag ttgctgggga acaggatatat attcgtcgat 360

tcattcttca gattaatggc attaatgatt tgtcttaatt aataatagaa agttcgaaca 420
gaatattagt actangttat taccatgaa 449

<210> 16018
<211> 387
<212> DNA
<213> Glycine max
<400> 16018

tatcttatca catatggaga cgcctgaaat tgaaccagag aagatctcga gaaattcaga 60
tggtcataac ttttcaactca gatgtccgat gctggcgcag agtatattga gacgctcgaa 120
attgaacaac ggaagctctc aagaaatgta aatgatcata aatattcact cggatgtccg 180
attcaggcgc atcatatatc gagacgctcg aaattgaaca atggaatctc tcgagaaatt 240
aaaattgtca taacttttca ctgcgatgta cgattcaggc acatcagata tcgagacgct 300
cgaaataaac aacggaacct ctgcagaaat tcaaattggtc ataacatttc aactgaggt 360
ccgattgatg cacatcacat atggaga 387

<210> 16019
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16019

agcttgcttt tcctttgtct tttggatctt caataccttt ttcacaatct tttgctcttc 60
aaccaagaaa gctcgaatga ttctacagaa ccagagacaa aagtaagcaa ggtactccat 120
caatttgcac aaagaaaatt aaacatactg tagattaaga agattgagaa aaacaaacct 180
ctctctaaca gcactgccag acaacacacc accatatgca cggttcacag tccttcggtt 240
nttgggtaac cttgatctct tatattctgt tggccttaaa tgtggaatct gcaattgcca 300
agcattaata accattatgt tataccgtgt atcattcata cataatcctn taccaatcat 360
agaaagaaaa atctagtgtt aggaaccttg aacatcataa tcttaactnt taag 414

<210> 16020
<211> 431
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16020

tacacattcg tggagaanaa cagattcaag tttttctgta ttggataagt cagggatctc 60
aataaggttt cgacaaccac aaaggctaata tatctttaaa ttagcaagat tctgtgacaa 120
gaaagatgca tcacattggt cagaaatgtg taaaatcata accatgagct ctactgaaa 180
gagaaacctt agcatgactc ttgcgaatga gcttcacttg aggacgcaca aaaccagtta 240
ccattgacaa ctctctcatg tacctttaca aattgaaaga aaaattagca tgtatgcaac 300
attcatacct gaaccccgtc ccaaggcttt ttaagcttgc taccaggcat gtggagctct 360
acaatntgtt cagcacanaa gttagacggc aaagacttga gatagaatct atcccattca 420
aggtacatca a 431

<210> 16021

<211> 431

<212> DNA

<213> Glycine max

<400> 16021

tatagaatac tgccgctata ttgatgcgcc gtgaatggac atacgagtga aaagttttta 60
ccatgtgaat ttctcgagag ctctctatgt ttaattttga gcgtgtcgat atattatacg 120
cctgaatcga accttagtgt agaaagttat gaccatttga atgtcttttag agcatccgtt 180
gttcattttt gagcgtctct atatgtgatg aggctgaatc ggacctccgt gtgaaaagtt 240
atgacctttt gaatttctcg agagcttccg ttgttcaatt atgagcgtct cgatatatta 300
tgcgctcgaa tcggacatgc atgggaaacg ctaggactat tcgaatctct cgagagcttc 360
cgggtgtgcaa ttgcgagcgt ctgcatatat tatgcgcggg aatcgacat acaggggaaa 420
cgttatgacc a 431

<210> 16022

<211> 417

<212> DNA

<213> Glycine max

<400> 16022

tgtcgaaatg actaaaacgc attcttgcac tgattgttct aagtcttgga acccttgatga 60

cacttgatcat tttgctaaac aaaagaggat gcctttccct gacaacatta ttgtttccctc 120
ccaatatttt gatttggtgc acatggatat atggggctct tatgctcatc cttcattact 180
tggtcataaa tattctctta ccatcggtga tgacaaaaac atatatacat ggattatttt 240
cctataatta aaaccagaag tgtcaaatca tattaacac tttatatcta tggttgacac 300
tcaattctct gtcgcagta atagcattag atcacacaat ggccctgaat tttccctgaa 360
aaatttctat gattcccaag gtatttttca tctaacttct tgtgtggaga cacccca 417

<210> 16023
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16023

tctaaaagat ttgtgcaccc aaaaaggaa gctatttgca atgaaaggat tagcatgggc 60
agaaatatgt cagcatttat aggtaaattt gttcctcaca ttcctgagaa atgtaaggac 120
ccaggtactt tctgtatacc ttgcattatt gggaacagta aatttgagaa tgccatgcta 180
gatctatgag catcagttag tgtcatgcct ctgtccattt tcaattcttt atctcttgga 240
cctttacaat ctacagatgt ggtgattcat ttggcaaata gaagtgttgc ttaccccaca 300
ggtttcatag aggatgtgtt ggttcagggt ggtgaactta ttttccctgt tgattnttat 360
gttcttaata cggaagaagg attttcccat ggtttagttc caattatt 408

<210> 16024
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16024

agcttagccc tagaggggat ggaccttttc aggttttgga gaggatcaat aacaatgcct 60
ataggttgga cctcccagaa gagtatggag ttagcaccac ttttaacatt tctgatttaa 120
ttccttttgt aggtggagct gatgttgagg aggaggaact aacatatttg aggtcaaadc 180
ctcttcaagg gggaggggat gatgcaatcc tccctaggaa gggaccagtc acaagagcca 240
tgagcaagag gctccaagag gattgggcta gagctgctta agaaggccct acggttctca 300

tgaacctcaa ggtagatddd tgagcccatt ggacaagggt gggccaatt atctntgtac 360
 atatdtgatt angatgtcat tatatdtggt ccttgt 396

<210> 16025
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16025

agcttgataa tggaggatdt ccttgagggt cctctcttat gcaatcatgg aacacaactc 60
 caaactcaaa aatggaggac acatgaatga caacgccatt cattcatggn gctccgataa 120
 agggtaagaa tggaggatdt gcttgagggt cctctcttag gcaatcatgg aacacaactc 180
 catactcgaa agtggaggac ccacgaacag gcctaagcaa tagcattcat gtggctccga 240
 aaaaggatga gaatggagga ttgccttgag ggtcctctct tangcaatca tggaacacag 300
 ctccaaactc gaaaatggag gacacatgaa tgacaacgca attcattcat ggtgctccga 360
 aaaagggtga gaatggagga tngccttgag ggtcctctct tatgcaatca tgatacac 418

<210> 16026
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16026

agcttttata taàacatggc ctcagcaaac tccttatttc cagaaggga ttctatcaat 60
 agacctcaa tctttaatgg agagggttac cattactgga naaccgaat gcaaatnttt 120
 attgaggcaa tagatctaaa tatttgga gcatagaaa tagggcctta tatacccacc 180
 acagtggaaa gagtttcaat agatggtagt tcatcaagt aaagcataac tatagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtag aatacaactt anaagccaaa 300
 aatataataa catctgccct gtgaatggat gaatatttca nggtttcaaa ttgtaagagt 360
 gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacagat gttaaaagat 420
 ctangatata tgcactaact catga 445

<210> 16027
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 16027

taccaccata ggaggccatg gataagagct tggaggttta atgagatgaa tgaagggaga 60
 ggaagagaag agcacgaaat ttatgctcc aaatgagctt tgaaatcrga agtttaatat 120
 tcaaattgac aaagtccaa aaaaatgcac acacaaggcc tctatttata gcctaagtg 180
 cacacaaaat tggaaggaaa tttgaatttc tattcaaatt tcacttgaat ttgaaattga 240
 atttgtggag ccaaactttg gagccaaaat ttactaatt atgattagtg aatttaagct 300
 atggttcata ccactaatta aagatcaagt ccaagattct ccactaagta tgcttaggtg 360
 gcatgaggca tgtaaagcat gaagcacatg cacaaagtgt gactatatga tgtggcaatg 420
 ggggtgtagca agc 433

<210> 16028
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16028

ttttgctttt atttttagtag atgaagatga atctgtggcc acctcatgga ctctctaag 60
 gataatagca tcattttcttg cactgaattg ttgggagttg gaagccatct tctcaatcaa 120
 attcctagct tcagcagggg tcatatcacc aagagctcca ccattggcag catcaatcat 180
 attcctatcc atgttggttaa gtccctcata gaaatattga agaaggagtt gctcagaaat 240
 ctggtggtta ggatagctng cacacaattt cttgaatctt tcctagtact catacaagct 300
 ntctccacta agttgcctga tgccttgaaa tgtctttctg atggcagtggt tcctagatgc 360
 anggaagatt ttctccaaga acactctctt aggtcatccc agctgaaacg gacctgg 417

<210> 16029
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16029

tagcttcccg ccaatggtat ttaaaatttc atgaggtcat ttcttcattt agctntgaag 60
 agaatgtcat ggatcactgt atataccaga aggtcagtgg gagtaagatt tgtttccttg 120
 tattatacgt agatgacatt ctgcttgcca ctaatgataa gggtagtcta tatgaggtga 180
 aacaatttct ctcaaagaac tttgatataa aggatatggg agaggcatct tatgtcatag 240
 gcataaagat ccatagagaa agatctcgag gcattntagg ctgtctcaa gaaacctata 300
 tcaacaaagt tttagagaga tttaatatga aagattgttc accaagtga gctcccattg 360
 tgaagggtga caaacttgct ntgagtcaat gccccaaaaa tgattntgag cgggaacaca 420
 tganaaatat tccatatgc 439

<210> 16030
 <211> 433
 <212> DNA
 <213> Glycine max
 <400> 16030

tgaatagcag atccagtga ctcagcataa tcatgtttta tcactatgtt ccctaaaaat 60
 tctgtgggat tgagtatcta aaaagtaatg acaaaattga ttagtttatt aattaatgga 120
 tgactttttt ttatcggtta atgaatatgt acttgttgca tgcattatta acttatataa 180
 tacttacttc caaccattct tgagttcctg atgggtccca tgctgctaaa ccaccttttc 240
 tactctgcaa taattaagag aaaaaagaac cacagttgca tcaaaaagtaa atattctagt 300
 agtaaaagta aatcaaacat caattattaa tgtcgtctgc gctaacccca acttcccaat 360
 gataaaagat taaacaaaga gaaggaccat caattgattg atctattaat taattaaaag 420
 catatgacca tga 433

<210> 16031
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16031

tccaagaatc aagatcaaga ttcaagactc aagtattatg aatcaagaga agacttaatc 60
 aagataagta tgaaaagggt ttttcaaaaa ctgagtagca catggatttt tctcaaaaca 120

atattgtgac gctcgaaatt gattaccgaa gctctgagca aattcaaacg acaataacgt 300
 ttactcggga tgtctgattg agtccagaaa tatgttgaga tgcttgaaat tgaagactga 360
 agctctgagc gaattcaaac gacaataact ttntactcgg atgtgtgact gagtcccgtg 420
 atata 425

<210> 16034
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16034

agcttattat atattgatac gctcgaaatt aaacgtcgga aactctcggg aaattcaaatt 60
 agccataaat nttcacacgg atgtccgatt cgggcgtata atatgtcgag aggctcgaaa 120
 ttgaacaatg gaagctcttg agaaatttaa atgggcataa cttttcacac ggatgtccga 180
 ttcaggctta taatatatcg atacgctcga aattaaacat cggaaactct caagaaattc 240
 aaatgggtcat aacttttcac acggatgtcc gattcgatcg cataatatgt cgagaggctc 300
 gaaattgaac aatggaaact cttgagaaat tcaaattggc ataacttttc acacagatgt 360
 ccaattcagg cttataatat attgatacgc 390

<210> 16035
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 16035

tgaatcggac atccgtgtga aaagttatga ccatttgttt ttcacgagag cttccgttgt 60
 tcaatttcga atgtcactat atgtgatgcg ccaaaattgg acattcgagt taaatgttat 120
 gaccatttga atttctcaag agcttccgtt gttcaattct gagcgtctcg ttatgtgatt 180
 tgtctgaatc ggacatccat gtgaaaagtt atgaccattt gtatttctca agagcttccg 240
 atgttcaatt tcaagcctct cgacatatta tgcgcccga tccgacatcc gtgtgaaaag 300
 ttatgacat ttgtatttct caagagcttc cgatgttcaa tttcaagcgt ctgcacatat 360
 tatgcgcccg aatcggacat ccgtgtgaaa agttatgacc atttgaatat ctgcacagct 420
 tccgatg 427

<210> 16036
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16036

tgtccacaga ggagacaaatg aanataaccta gggttactat ctgatataca gtctttgctg 60
 ctgcgttttat tgtcaattcc aactgcatca atgcatcttt aacaagcata ccacgaacca 120
 gagcagcaac caagttgacc ttctttggac tctaaaatac catagaaaac aaggatatgta 180
 aaatgtgcaa ctagtcagat attaatacaga tcctttcttaa accataaatt aaggcatttt 240
 ccacagcaaa ccaggaagg catttcaatg gctaaaaaat tagatgcaa cttttctgca 300
 aaataacatg ttggttaaaa cacagaagtt tcttagcaag tagctaggca gtggcaccac 360
 ataaatgtaa caaacattg taattcttca atatttatgt tatggctaag ctgaacatac 420
 ttgtgataat acttatg 437

<210> 16037
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16037

agcttatact aagttcagcc taccatcctc agtcagagga tataccgaag actgctttta 60
 ngatccgtta tggtcactat gagtatctag tcatgccctt tggatatgact aatgctccag 120
 gtgtgtttat ggactacatg aatagagtat ttcacctta ctttgatagt tntatggtag 180
 tattcataga tgatattttg gtatactcta agactagaga ggaacatgaa gaacacttga 240
 ggatttgtgt gcataccctt agggaccgac aactntatgc taagctgtcc aagtgtgagt 300
 tttggttaga gaaagttagt ttcttagggc atgtgatatc tcaagggggt aaacctgtag 360
 atccctctaa gatagaagtc gttcttgagt gggagagtcc taagctnttg tgtgggatac 420
 ccaatgtaag catagttt 438

<210> 16038
 <211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16038

agcttcttag tttcagatga tgcagctgag tttgtagcta cctcatgcac tctctaatg 60
attatgacg catctcggg gctatadlge tggggttgg aggcctt ttaaatg 120
tgactagctt caataggagt catgtctcca agggctccac cactggcagc cctctcctg 180
cttctctcca tattactgag tctttcataa aaatattgga gaagaagctg ctctgaaatc 240
tgatggtgag ggcaactagc acatagtttt ttaaattctt cccagtattc atacaggctc 300
tctccactga gttttctaata acctaagtta tcttctctga tggctgtggt cttggaagca 360
nggaaaatgt tttctaagaa tactctctta aggtcatccc agctcgtgat gaaccttgga 420
gcaaggtaat ac 432

<210> 16039
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16039

tatcttgtga aatatggcat aacaaatatt gacgaatgtn tgtttatggg tcagactatt 60
ctagagcaat tggaaggcct tcttaggcct aaagcanatg ccagatatgt gaactatggt 120
gcagaanagg acaaaaataa tggtaattha tatgattctt cacttttagc taataataac 180
atggagcttt tctctgagcc tgagcatgct aagggtgttg gtcatgttcg taagctttca 240
aatgagagtg ttgaaagcga tggaagctca atacgaggta gtgacatgtc taattttggg 300
attccaagtt catctggtga tggctctcat gaccttctg gatctgcttt gggttcaaga 360
gagacagata ttatgggcca cacanagtcg aagtctactg gtgaatactc aatagtcctt 420
ccactagat 429

<210> 16040
<211> 426
<212> DNA
<213> Glycine max

<400> 16040

tagttagaa ctggccacca aaataacctt ttttaattta tgagttgatc aaaatgaaac 60
 cctcgtgcaa cataaaaggc agaagcaa ataatattatt tacctctttt cttctctcag 120
 ctgctcatc acacttgaaa ctgaatccat attttgggag cgtccccacc ctgctgaggtt 180
 tggcatcttc tgcagtagga cttacaactg gattaaggat aaaccataaa tacactgtgc 240
 cactctcagc aacaaactaa caacataaat aatataaaca aarccacatt agctccccar 300
 tgcctctcac caccataaac aatgctcaac caggaaaaaa aaggatacga agaagattct 360
 gcttctcctt gaagattatc atggggatct ttcttcgata attgtggtct agtcttctcc 420
 ctgtat 426

<210> 16041
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16041

ngagtaaggc acccctttgg tttgaagacg cgttcttggt gagaggcatc cacataaagt 60
 tctccacaga aaatgcttta tcttgggagg tatacgaaga ttccatatag tggaccagct 120
 tccttgaact ttgagagctt ctttgttcac catagtctcc attaaaatat gataatctga 180
 tcaaaccgag tatgtcccca tggactaac tttcaaaatc aaaatatcag aatcatgaag 240
 attgaagagt ggcacatctt ttatttcttg ggaatcttct ttattgaaaa attgatcagt 300
 aacctcaatg ttccaactat tgctttcaac atcaataagc gaatgtactg tcaaatgttc 360
 aagacaaaa agaggtaagg acgaaacata atacttatct ttattctg 408

<210> 16042
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16042

ggaccttaaa tctcagcttg gccaggatc catgtttatc tagcctttga gtatgtccat 60
 tttgatttat ggggaccatc tagaggaaaa actcatggtg gaagctcata ctttctcacc 120
 atcatagatg atttctccag aagagtatga ttgtatgttt tgaaaaataa gtcagaatct 180

tttcaaaaat tcagagaatg gcatactctt attggaaatc aacttggtac aaaattaaaa 240
 gttttaagga ctgacaatgg cttggagttt gtttcagagc agttcaatga gttttgcagg 300
 aaaataggca tcaaaaggca caaaacagtc cctcacacac cacaacagaa tggtttagca 360
 gaaaggatga ataagaccat tttgganaaa gtgaagtcca tgctactaag tgcaggactg 420
 ccaaatacct tttggggaga a 441

<210> 16043
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16043

ttcaactttg agcctgagca agttgaatct tattctgctc acaggcta at ctgaagggtg 60
 ttgtgttgaa ggctangcat atagctgaag cagctttggt tcttgcttct gatgatgctg 120
 ctggtttacat cagtggcac aacttggtgg tggatgggtgg gttctctgtg gttaatagaa 180
 gttattcttt cacaccagct taattacatg tagagccaaa aaaacatagt tttgtggctg 240
 gttggcatta atttccttag ccttcatcaa gttgagaaca tgatgatgct atgcagtgcg 300
 tcaaattacc ttgttactgg gacttttttt tcatttgcac tctactaata attctgcaat 360
 gtctcttctt tgtttgcatt ttcaaagcat acattcatca accttgtctg cttgtgactc 420
 aaa 423

<210> 16044
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 16044

atgcagctga gttggtcgt acctcatgct cttctcta at gactatagca taattgctgg 60
 cgctaaaccg ctgagagtcg gaagccatct tctcgatgga atatctggct ccagcaggag 120
 tcatgtctac aaaggctaca ccactggcat catatatcat acttctgtcc atattactga 180
 gtccttcata aaaatattat agaagaagct gtcctgaaat ctgatggtga aggcaactgg 240
 cacatagatg tttaaactct tctcactact catacaggct ctctccactg agttgtctaa 300

tacctgagat atccttcctg atggctagag tcctagaagc acggaaatat ttttctaaga 360
 atactctctt aaagtcaccc cagctcgtga tggaccatgg a 401

<210> 16045
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16045

cccatggaag ctctaataat ctccacact ttatggggag ggtcattctt ggatggcctt 60
 gattttctta gggtcacatt ggacccatt tctaccaact aaaaacccta agaaaactat 120
 attatctaca caaaaggtag acttctctat atttgcatag aggggtgttt tcctaaggac 180
 tgaaagaact tgctgagat gtctaagtg atcatctagg atcctactat atactaaatt 240
 atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat gatgcataag 300
 cctcataaag gtgcttgag cattagtggg cccaaaagca tcactagccc ttcatacaaa 360
 ccaaacttgg tcttgaaagc ggntntccac tcatcacctt ctttcattcc taattgggtga 420
 taaccacttt ta 432

<210> 16046
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16046

atcttggagc atgcttatta catggagtag atgcaaccaa aataaagctt cattcaaatt 60
 taaaattgtg gaggtttgac cgagttatgt tcaattntcc tcatgtcagc tttcatggga 120
 aggaaaataa cacattacta attaagtgag ttttcttgta agattcagtt agaagactaa 180
 ttaatgtggc accctctacc ccgacatata tatagtgaag ggaaacatag aatagtggga 240
 gtaacttaaa aagatttact tcacaattca atataaaact tctcaacgga gtaaagggtc 300
 acattcacc attaaccaag ttaaaactta tcggtaagaa tataaaaaca tgtttcgggt 360
 ccaaacaaag accatacggg tattataact a 391

<210> 16047

<211> 442
 <212> DNA
 <213> Glycine max

<400> 16047

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tggacttccct gtgtttttggg aacctctcct tcttcaggtg tacccaaacc caatcacctg 60
gttcaagcat tcttccttct ctgcttctgt tggctcgtct tgcctagctc gcttctctct 120
tttcaatttg agccttccct tgcctcagca acttcttccac ctactcagct ttgcctcttg 180
catccttatg cttaaacata gcaatgtagt gcataggcaa caaatcaaga ggagtcaaag 240
gattaaatcc atacactatc tcaaattggtg aacaattagt tgtgctatgg acagcccgat 300
tataagcaaa ctcaacatga ggcaaacagg ctccccaga tttaagattt ttcttttaaaa 360
caatcctaag cagtgtgcct aaagtcctat tgactacctc agtttgacca tcaatttgtg 420
ggtgacaagt agtagaaaac aa . . . . . 442
```

<210> 16048
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16048

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cggtagctcg gngaattctc tataagtcga ctctgcattg catgcaagtc ttcataaact 60
ttatacaacg aatgacagct ctgatatcac tatgttacac acagtggcct cagatatcga 120
taagaagggg gggttgaatt aagatatcaa agactttcct caattaaatt tttaattctc 180
cttttttaaaa ttttcaatgt acctttatta tgaattacta aaaagacaat tcaaaataaa 240
cttctttaat gcaaaagaaa aataacaata actaaaagaa gttaagggg aaagaaagtg 300
caaactcagt ttatactggg tcggccacac tctgtgccta tgtccagccc ccaagcaacc 360
cgcttgagat ttccactatc ttgtaaaatt ccttttacia tgtctgaacc aaggacaacc 420
cttcctttgt gttca . . . . . 435
```

<210> 16049
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 16049

atcttatctt tatctctacc aacaaaaaaaa aaaaaccag agtaaaggg acaaatctg 60
attaatcaga ctttctaaca ttagatatca atattaatat tatatatagt taaataatac 120
aatataatg ttaaattaac gtatattgtt taacatattt taaaataaac aaattcattc 180
taaacataat acataattgc ttaagagaat attaacgcta aatcatgtta ggacaatcca 240
aaccacaacg tgaacaatgt tacaaaatgt atcatgttca tttctaatat tcaaacctar 300
gcaaattaac taagttggat tgaatcaagg tgtgcttgaa ttattggtgg gaaaatacaa 360
aaacatattt gagaataaaa tca 383

<210> 16050
<211> 391
<212> DNA
<213> Glycine max

<400> 16050
agcttctata tattgttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tggtacaagg tgggcaccct 240
attgcttatt ttagtgaaaa actacatagt gccaccctca actaccacac ctatgataaa 300
gagctttatg ccttaataag agcctccaa acttgggaac attaccttgt ttccaaggaa 360
tttgtcattc atagtgatca tcaatcactt a 391

<210> 16051
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16051

ntgatttccct ttgttccgga nacctttctt ttctcatgtg cacccaaacc caatctccgg 60
gttcgaagac aaccttcttt ctccctttga tggttggtt agcatagctt ttacttttcc 120
tctcaatttg atctttgact ctataatgaa gcttcttcac atagtccgcc ttgcttgac 180
cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240

gattaaaacc ataaacaact tcaaggttta agaaagaaga atcatcggat gacgccgac 300
 gaacatttcc taatagacat catccaaata ttattcaggg attgaataga agatacaata 360
 gccgacatcg gccgttgtaa atcagcgact gatatttttc agccgacggt gcgcaatttc 420
 ttttaciaaac gt 432

<210> 16052
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16052

ttccagaggc aagctaattt gtacgccctc cccgatggagc atttacattc attatcttct 60
 ttgtggactt tttctaagtg tggaattgaa atcctcaatc ccttaccgat tggcatcctc 120
 cagctgaagt attaattgtg gcaattgact aattcaacaa atgggttgaa gccgagctgg 180
 tagccaggat caccattgaa caagtacata aatttttatg gcaatcaata atgtgcctat 240
 ttgggatgct aaaaaccttg atagtagaca atggcacaca gttcaattgc aatagtgtta 300
 aagaatttgt gacagccaca atgtaaagt gatttttgct tcgggtggaac accctcaatc 360
 aaatggtaag gtagaggtgg ccattaaggt gatactaaag ggttntaaat caaactttca 420
 acat 424

<210> 16053
 <211> 359
 <212> DNA
 <213> Glycine max
 <400> 16053

ttctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgctg 60
 atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgaggcccgat aatatatcga gacgctcgaa attgaatgtt 180
 gaagctctga gcccaattcaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240
 tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
 actttttact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaat 359

<210> 16054
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16054

taaacattca acttcgagcg tctcgatata ttactagtct caatcaaaca tccdagaaaa 60
 aagttattgt cgtttgaatt ggctcagagc tccaacattc aatttcgagc gtctcgatat 120
 atgacaggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag 180
 cttcaacatt caatttcgag cgtctcgata tatcacggga ctatatcaaa catccgagta 240
 aaaagttatt ggcgtttgaa ttggctcaga gcttaaacad tcaatttcga gcgtctcgat 300
 atattacgag actcaatcac acatccgaga aaaaagttat tgtcatttgt aattgctcag 360
 aggttcaaca ttcaatttcg agcgtctcga tatattacag gactcaatca ga 412

<210> 16055
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 16055

tatattataa aaataaattg ttaacttata atgattatta ttatgatata acatgtacac 60
 atactattat gattaagtcg gtttaattaag ttataatttg cactctgcct ttatctcaaa 120
 ggagtcact caaggtttct ttattatcca tttagaatga aacacatata agttatactc 180
 gtgagcatgc taggtatcca cttttaaatg aaaaaaaagt atagaggtag attatcaatt 240
 acttttttta aattatattg aataacttaa ttatttttta tagtataata acttaccata 300
 aacaaatatt aaagaagtat ccgtgtctat tctatagtct cttcttagaa aaccataatg 360
 gttggctctt tattggaaat aataagtcac gatagaaaat cacataaaag cccatttcct 420
 cttttc 426

<210> 16056
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16056

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 tgtggtctcc aaatatggat tttgtggaaa gtgtttaga ccaatgcata taccttaaag 120
 tcaataggag taagttgatt ttcttagttc tatatgaaga tgacatttta cttgctagga 180
 gtgacthagg tcttttgcac gacactaaat ttttctctc acâaaaacttt gatatgaagg 240
 cttataggctc agtctctat gtcttggcc tagaatcca tagagctaga tctctcctcc 300
 cattaggact âttcâaaaâ gctacatag aaaagttttg aââââattta âtatgcaâââ 360
 ttgttcatca attaccgcac ctatagttaa agggâââant tttagtatca atcaatgtcc 420
 ccaâââââââ ttggââ 436

<210> 16057

<211> 357

<212> DNA

<213> Glycine max

<400> 16057

atattactag caactctaag atgagcgaat agacatctta cataactaaga aggtaatgta 60
 taaatcaatc ctcaccggaa tgactgagta aaaaccattt ggtattggat ctgaaagcat 120
 tccaatctgc cagagtgcata gtgatgctgt cagagaagac agcacatctt cgacaacatg 180
 tcgaggagat tacttattac ttaaggctctc atcttgagaa cccâââââââ cagatccâââ 240
 tttttcaaca âaatctgaag gccaccââââ cacattagat ggcccttgct ctgccggccc 300
 tgcattctct cgtgtctcct ccattgttctt atatatttag aatgââââââ catttcg 357

<210> 16058

<211> 445

<212> DNA

<213> Glycine max

<400> 16058

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 ttcttcaatt ttgcatgatt tgcctcact tctctgccaâ cttcattctc atcatccatc 120
 ââââââââââ cagctttgct tacactctcc ttctggaacc agccatcttc ttcacccttc 180
 tccatttcaâ cccââââââââ taagttttca cccatcatcc ttgcattâââ tatatgatca 240
 ccatctacct gtggcagtaâ cactatttgg cacttattca ctagtgcctc agttaatgââ 300

ccagcaccac aatgtgttat gaagcaaccc actgaagggt gttccaaaat cagctgttgc 360
 tgtatccatc caccgaggac aattactctc tcttcaaccc tttccttgaa cccttctggg 420
 agagcagctt caagtgtctc aaacc 445

<210> 16059
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 16059
 ttcttgagaa tggagaattg cactaagcaa tcactacgca tagctccaaa ctggaagggtg 60
 gaggacacat gaacgaaaac acaattcatg gggctccgaa aaagggggttg agaatggaga 120
 attacactaa gcaatcacta cgcatagctc caaactcgaa ggtggaggac acatgaacga 180
 taacgcaatt catggggctc cgaaaagatt gagaatggag aattgcacta cgcâatcact 240
 acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggtgct 300
 ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg 360
 aaggtggagg acacatgaa 379

<210> 16060
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16060

ntaaaagatt ggctaagatt ttgttaaaac atattctctt agacaatgaa ggaaagctgg 60
 agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg cacaatgcac 120
 aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtcggatata 180
 atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat 240
 ccacgatgtc ggatacaatg tccaggacat cctgcccgaa aatactggag ttgctaaaag 300
 cattgaagtt gcaggatcca cgatgtcgga tacgatgtcc aggacatctt gcccganaat 360
 actggacata taaatctggt atatctttta cagattattg tgcagttagc aagagattag 420
 atga 424

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

<210>	16062
<211>	377
<212>	DNA
<213>	Glycine max
<400>	16062

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cgggaagacc	tcttatecta	tacatgacag	tattagatga	gtcaatgggg	tgtgtgctcg	180
gacaacacga	tgaatctgga	aaaagggaaat	gggccatcta	ctacttgagc	aagaagttca	240
cggcatgtag	atgaactaat	tgttcctaga	gaggacatgt	tgtgccttgg	cgtgggcagc	300
tcaccgtttg	aggtagtata	tgctgagtta	cactacttgg	ttgggtgtcca	taatgtatcc	360
cgtcgagtac	atcttcg					377

```
<223>      unsure at all n locations
<400>      16063
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 accaagtga aatgaacagt accaaagaag aacaccatct ttgcaattt caaagagctc 120
 attggttgaa ggggtcaatag gaagatattt cttgaggaac tcattctgtg ctagatagtg 180
 atttatatct gctacatatg atgctttctc tgattcactt attggttgaa gcaatgtggt 240
 tgtagctgcc ttgaggaacg ctgacgagtt ctttggacta cttccggttc tagaattcac 300
 aaatgtttgg agtttcaagt agacctgtca tcattatatt atatcactat tacaagttat 360
 ccttgatca aaatttaacc tgatcacaat agctgaaatt gttctagtat gtttctagt 419

<210> 16064
 <211> 443
 <212> DNA
 <213> Glycine max
 <400> 16064

ctttgaactt caaatgcttt aggatgtgaa tcacttctgt tgtcctaaat gcctgcattc 60
 atgaacatat atagaagaaa taattggaga ggaatcggtg gctacatgaa tcactgaggt 120
 gggaggacta taagacaaga ctggttggat gggaccaaca gggaggcaag ggcatatgga 180
 cggccttgga ggactttctc gctgatgctg attccgtgtg aaataaaata gatgtcaaac 240
 atcagaaata tttaaaatga tatatgacct ctgctatcc gctgccttat aattcatcag 300
 ccacaaatta ccttgcagtt gtacttcgat gtaacgtgaa cagaacatgt ccagagcatg 360
 ttacaaaaa tatggaatat caattaatgc atgaatagac gttacgtttc actgaggcac 420
 gtctcatttg gttacatgtg gag 443

<210> 16065
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 16065

tatgtacaa atatttacia tagacctcct caatctcagc tgcaaaatca accacagcaa 60
 agcaattatg acctttccag caacagatac aacctggat ggaggaatca tcctaacctc 120
 agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgttgct 180
 ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacaa 240

ccaacagttg aggccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300
 cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360
 ggacaattag ctaccaatt gaatcaacaa caatcccaaa attctgacaa gctgccttct 420
 caagctgt 429

<210> 16066
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 16066

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 ccattacctg caagcaaaca ttgtgttctg gagtaagctt gtcttccaca gacaagtcga 120
 aatcgatttt tgggtcttca aaacctaact ccacctttct cttcccatg acaactatgc 180
 agcttgcgga caacatgaac ggccttccca agattacaag gatgtcagta tcttcagaga 240
 tatccataac cacaaagtct gctgggaaga tcaaagtgtg taccctgacc aacacttcaa 300
 tcaactccaca ggacctggta atggagcggg cagctaattg cacagtcatt cgagtgggca 360
 taatctccaa ctctcccagc cttctgcaca tggagagtgg catcaaatta atgttggtc 420
 ccagatcaat catagcc 437

<210> 16067
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 16067

tgctaaccce tggaagctgc taatatctcc cacacttttt tgggggtgggt cattcttgga 60
 tgaccttgat tttctcaggg tccacttgga cccatttct accaactaca aaacctaaga 120
 agactatatt atctacacaa aaggtaact tctgtatatt tgcatagagg gagtttttac 180
 taaggactga aagaacttgc cggagatgtc ctaagtgate atctaggctc ctactgtaca 240
 ctaaaatata atcaaaataa acaactacaa atctacctat gaaatccctt aagacatgat 300
 gcataagcct cataaagggtg cttgggtgcat tagtgagccc aaaaggcatc actagccatt 360
 catacaaacc aaacttggtc ttataagcgg ttttccactc atcacccttg ttcactctga 420

tttggtgata accac

435

<210> 16068
<211> 424
<212> DNA
<213> Glycine max

<400> 16068

ttcttccact tcatgtttct tgtgggtgtct ttcttcatgc tacagcttct gcccaaaatt 60
cttttggttag cttcttgctt ttgagcatgc ttcgagccat atcaaggatt gttctatattt 120
tcctttctgt cacaccattc tattaggggg atcttggaaac tattaaggga catctgattc 180
cattctcttc acagaactct ttggaaggga attctcctcc ttggtttagta ctcatggctt 240
tgatcttttg actactttct ttctctatta tagctttgaa cttcttgaag gcggaaaaga 300
ctttggattc tttctttaat acatatactc atgttttgct tgagaactaa ccactgaaaa 360
ggatgacata ggcactttta tctagtgagc atggcttgat tggcccacag acgtcaacat 420
gtat 424

<210> 16069
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16069

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atataacgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgaatcctgt catatatoga gacgctcgaa attgaatgtt 180
gaacctctga gcgaattcaa acgacaataa ctttttactc agatgtctga tatagtctcg 240
taatatatcg agacgctcga aattgaatgt tgaagctctg agcaaattca aacgacaata 300
actntttact cggatgtctg attgagtcgc gtcatacatc gagacgctca naattgaatg 360
ttgaagctct gaggaaattc taacg 385

<210> 16070
<211> 432
<212> DNA

<213> Glycine max

<400> 16070

tcaacattca atttcgagcg tctcgatata tgacttgact caatcaaata tccgagaaaa 60
aagttaatgt cgtttgaatt tgctcagagg ttcaacattc aatttcgagc gtctcgttat 120
atttaagggc tcaatcaga atctcgagga aaggarattg tcaactgact tggcctagag 180
cttcaacatt caatttcgag cgtctcgata tctgucgaga ctctacacaga ctctcgagta 240
aaaagttatt gtcgtttgaa tttgctcaga gcttcaacat tcaattttga ggcgtctcgat 300
gtatgacggg actcaatcag acatccgagt aaaaagttat tgcgtttgga atttgctcag 360
agcttcaaca ttcaatttcg agcgtctcga tatattacga gactatatca gacatctgag 420
taaaaagtta tt 432

<210> 16071

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16071

tatccaaact gaaacttcaa caaattaggc actgtctaatt tcgttatatt ttcagtacac 60
aaaatcaaag tgatcaattc taaaagttat aacataaggt acattgatag ttccatccat 120
aaagggttta cttaaagttg cggatctgaa agtgggtccag ccatcaacga cacttctgtt 180
gccagtaata actgtaacat cctttccatc gccaaacaga acaatattgg tcttataact 240
tgggatttca acattttcct cgtaagtccc ttctttgaca tagatcactg tcctaccagc 300
actgtcattt ggagcaaagt tgatagcctc agtgatgaag cttaaagtttc ccgttccatc 360
agcagccaca acaagctctc ctccatcatt gctntgcaag agacggcgaa cggttttcat 420
cgacaaccac aac 433

<210> 16072

<211> 424

<212> DNA

<213> Glycine max

<400> 16072

atacctttca tcatggcatg ttgacataag ctcttttagtt gagggtaaaa tttgtcaaaa 60

aagaaataat attcgacaaa aatataagag tttagataa aatttgtcaa ataaataata 120
 ttatgatctt attaaaaatgt ttaatggggc ttaattttta aaatttttcta agttttctac 180
 cataggagct ctttttttca ccccatccat gttgtcacat gtgggtgaaa agaggaaaga 240
 gagggatggg atttctcttg ctttaagcat aacgggccea agtgggaggg ccacacaaat 300
 ggtrattagc tcagtagtaa agtgtgtcct tgataattgt gtcgtctgg agtggagtga 360
 gacatgtcat tgaatagcaa ggagatagcc acttcgttat gaaattagaa aagttaagag 420
 ccct 424

<210> 16073
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16073

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 ttggacatct gttgagtatg taaacaacat tgtagattgc ttcagcccag aatgtgttag 180
 gtagtccctt ctcttgagc atcgatctag ccatttccat aactgtgcaa ttctttctct 240
 cggacactcc attttgttaa ggagaatatg cgactgtaag ttgtcgtca atgccttcat 300
 cctcacaaaa tctttcaaac tcgcgagagg tgtactctnt gcccgatca cttcttagta 360
 cttttatccg ttttccactt tgattntcag caagggcctt gaactttntg aatactccaa 420
 ag 422

<210> 16074
 <211> 295
 <212> DNA
 <213> Glycine max
 <400> 16074

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 atatcgagac gctcgaaatt gaatgttgaa cctctgagca aactcaaacg acaataactt 120
 ttactcgga tgtctgattg agtcccgtaa tatatcgaga ctctcgaaat tgaatgttga 180

atctctgagc caattcaaac gacaataaat ttttgctcgg atgtctgatt gagtcccggtg 240
 atatatcgag acgctcgaaa ttgagtgtgg aatctctgag ccaattcaac gaaca 295

<210> 16075

<211> 421

<212> DNA

<400> 16075

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 aaccatgttc aagattgttc gattgcttct ttctacaatg ccattatgtt ggggggtgtaa 180
 tgagcagtta cttcatgaac tataccatgc tccttacaga aaccttcaaa ttctccagat 240
 gtgaattcac ctccaccatc tgttcttaag atgttaatgc attttccaga ttgcttcttc 300
 acaagagcta tgaagtcttt aaaaatgttg aacacatcac tcttggtttt gattgggtag 360
 agccacacct tcctgctaag atcatctaca aaagacacaa agtatctatt ctctcctaatt 420
 g 421

<210> 16076

<211> 379

<212> DNA

<213> Glycine max

<400> 16076

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 ctctcaaca gtgcaaggct tgttcacatg ccccgacaca caaaacaact ttgtcccagc 180
 attgttcttc ctacccaaaac tggcaaacca ttcaggccca cgccttagaa tgggttgaga 240
 aacagcaaca gtttccacat ttgtgacagt ggtaggacat ccatacaacc cagcattggc 300
 tgggaagggc ggcttcaatc ttggtttacc ttgtttccct tcaagactct ccaagagggc 360
 tgtttcctca ccacaaata 379

<210> 16077

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16077

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ctccacccca agcataaaga tctgggagc gtaactattc cttgttcaat tggagaagtc 180
aatgtgggaa aagctcttat tgacctgnga gctagtatca atttgatgcc attctccatg 240
tgcagaagat tgggagagtt ggaaataatg cccattcgaa tgactttaca actagctgac 300
cgctccatta gcaggccata tggagtaatt gaagatgtgt tggtcagagt aaaacattnt 360
atcttccccg cagactttgt ggtgatggat atctctgaag atactgacat ctttgaata 420
tt 422

<210> 16078

<211> 366

<212> DNA

<213> Glycine max

<400> 16078

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tgacccaaac gatgagctct atccatcgcc tgtagatcca atgttggatt ccaatcactc 120
tcgtaaaata tgactgtgtc agcagctgtc aagttgatac ccaatccacc agctcttgta 180
ctcagtaaga acacaaaaat atcactcctg aaacagagat ataaagaaac aagtcactct 240
cagtagtctc accaaagtag acacattaaa gcatgacaac acagacatta cctgtgctgg 300
aagtcctctaa ccatgtctct gcgatcctga atagtggatg acccatcaag tctaaaatat 360
ctatat 366

<210> 16079

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16079

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aaacccttg aactacttca cactgattta tttggtcct ctagaactat gagtttgggt 120
 tgttaattact atggcttagt tatagtagat gattactcaa cggtcacatg gactttgttt 180
 ttgaaaacaa aaaatgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240
 gaaatcgtc ttaacattgt ttcacttaga agtgatcatg aaggtgaatt tcaaaatgag 300
 ttttggaa ttttggga agaaatgga ttttaccacg attttctgc ttttggaa 360
 ccccaacaa atggtgtgtt ggagaggaga aat 393

<210> 16080
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 16080

tatcaatgtg gcagttccgg ggaccattgt ctaattggcg atcaatacaa aaaaaatact 60
 caatccatgg gaaaggaatg aaaatcacac actttgcctc aactctgcta aagcaattgg 120
 atgtacagta gtcaacattg gcaccagga cttcattgaa ggaaggggtat gcttgttaggc 180
 attcaagttt ccaccataa aagcagaatt attgtgggcy tgtacactgc agaacaacaa 240
 aatttaagat taaatttaat ttataaatga aatcctttgt taagttatga aataggaatt 300
 tttttattct aaaatcaaat cctttgggtca gaaagttata agaatttttt cttttttttt 360
 ttttaattta ggtgtgatac tacaaaaaat ctggcaaatt tgatatttct 410

<210> 16081
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 16081

tgctcttaaa ctctatacaa gaatgaagtt ctgataccac tcgatagaca ggtggcctca 60
 gatatcttta agaatggggg ttttgaatta agatatcaa gactattctc caattaaaat 120
 ttttaactctc ttcttgagtt agaaatttac ccttaatatg aattactcaa aagataattt 180
 agagtaaact tctttatagc caatgataga tgacgatata taaaagaagt ttaagggaaa 240
 agagaatgcc aactcatgtg ttatactggg tcaggcacac cctatgcgct acgtacagtc 300
 tccaagcagc ccgcttgaga t 321

<210> 16082
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 16082

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tccagtgata cagacagtgga aatcactttt gatgtgcttg ccacatccta tagagpacta
tgcattcaaaa gtgagaagat tcttcagcaa gaagcacaac tgaagaaggt cattgcaaatt 120
ctggaggctg agaaggaggc acatgaagag gaaatctctg aacttaaagg agaaattggc 180
tttctgaatt ctaaactgga aaatatgaca aagtcaataa agatgctgaa taaaggctca 240
gatgtgcttg atgaggtgct acagcttggg aagaatgttg gaaaccagag aggacttgga 300
tttaatcata agtctgctgg cagaacaacc atgacagaat ttgttctctg caaaaacagc 360
actggagcca cgatgtcaca acatcgggtct cgacatcatg gaacgcagca gaaaaggagc 420
aaa 423

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<210> 16083
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 16083

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tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca 180
agatcccttg gggaggcgcc atttgacat gaatcactct tgaggcaaaa atcaaggatc 240
aaatggctca gggaagggtga cagtaacaca tgcttctttc ataaatccat aaattttaga 300
agacattata atgcaattca aggaatatct attgaaagta tatgggttca gcaaccaaaa 360
ttggttaagg aagaagctgt 380

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<210> 16084
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16084

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 gagttctaag aggcaaggca ttgtgacact ttctacttgt gaagccaagt atgtagctac 180
 aacttcttgc acatgtcatg ccagttggct aagaagattg ctggaggaaa ttcagttggt 240
 ggcacaggag accacaaaga tctctgttga tctatagatct gcacaagagc ttgcctggcg 300
 tccagtggtg catgaacgaa ctaagcatat atatacaaag tatcatttca ttgtagagtg 360
 cattaccaag acagaagatt aattgact 388

<210> 16085
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 16085
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 cgtaactttt tacacggatg tccgattcgg gcgcataata tgtcgagatg ctcgaaatta 120
 aacaacgaaa gctcttgaga aattcaaattg gtcataactt ttgacacgga tgcctattc 180
 aggcaaattca catatcgaga cgctcaaaat tgaacaacgg aagctcctga gaaattcaaa 240
 tgcttataac atatagtgac actcgaaattg tccgattcat gcttataata tatcgatagc 300
 ctcgaaatat aacatgtaaa gctctcgga aatctaaattg gtcataactt ttcacacgga 360
 tgtacgattc tgacgcataa tatgtcgaga ggctcggaaat tgaa 404

<210> 16086
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16086
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 atttttaaga aatttgagcc aacaaaaaaaa agtgttcaag agaatatggt agagacagtg 180
 ttgctaccat ttctctgttt aggaatgggtg tttgtagtta ttagtgaaaa tagaaataga 240
 aaatattttc cttatgtcaa acaggcttct gcattactat ttttagtttt tacaacatta 300

tgatagatca ttatatatctt tttctttctc taaaacaaat gatttattta ttgtcttgng 360

gtgggtgtata taaaaactga tcaacacatt ntacttttct ttttttg 407

<210> 16087

<211> 365

<212> DNA

<213> Glycine max

<400> 16087

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ggataaagag gaacaagagg atgagctctt gttaataacc ttcataagatt gcatacaagg 120

gaagaaggat gagtgggttc tagactcggg atgcggcaac cacatgagta gtaacaagga 180

gtggttctca gaattggatg agaactttcg gcacaatgta aggccttgga atgataactca 240

catatctgtg aaggggaaag gtagtggttg gatgggtgtg aatgagatta tacatgtaat 300

cacacatgta tattatgttc ttgaactcaa gaataattca tcgagtatat gactgcttca 360

agaaa 365

<210> 16088

<211> 354

<212> DNA

<213> Glycine max

<400> 16088

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gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgcttttctc 120

aaagaaaagc ttactaaggc acttggttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgag atacctctag agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttggggaat atgaccttgt ttcc 354

<210> 16089

<211> 418

<212> DNA

<213> Glycine max

<400> 16089

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tatgatcttt caagcaacag atacaatcca gattggagga atcatccaaa tctgagatgg 120
acaagtcctc cacaacaaca acagcctgtc cctcccttac aaaatgttgc tggccaagc 180
aagccatatg ttctctctcc aatgcaacag cagcagcagc agtcaccaatt gttagtgtt 240
agcactactg agtttaaaaa ggttggctaa gatttgytta aaacataagc acttagacaa 300
tgaaggaaag ctggagttgc tgcacatgat gaccaacgct atgtcaagga ataagatcgg 360
gctgcataat gcacaaggca agataaagtg tcaagtgatg aattgaagtt gaacgatc 418

<210> 16090
<211> 408
<212> DNA
<213> Glycine max

<400> 16090

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ttggacatct gccgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
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cggacactcc attttctga ggagaatatg cgactgtaca ttgtctctca atgccttcat 300
cctcacagaa tctttcatac tcgtgagagg tgtactcttt ggcgcgatca cttcataata 360
cttttatccg ttttcactt tgattttcaa caaggacctt gaactttt 408

<210> 16091
<211> 364
<212> DNA
<213> Glycine max

<400> 16091

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cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttgttgt ggatgatttc 120
tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtga 240
catggcagag agtttgaaaa cagcaagttt actgaattct gcacatctga aggcactcact 300

catgagttct ctgcagccat tacaccacaa caaaatggca tagttgaaag gaaaaacatg 360
actt 364

<210> 16092
<211> 402
<212> DNA
<213> Glycine max

<400> 16092

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gaagctctcg agatattcaa atggtcataa cttttaacaa ggtgggtctga ttcaggcgca 120
taaaataacg agacgtttgt aattgaacaa cggaagctcg agagaaattc aaatgggtcat 180
aactttttcac acggagggtcc gactcaggcg cgtaatatat cgagatgttc gtaattgaac 240
aacggaagct ctcgagaaat tcaaattgtc aaaacttttc actcggatgt ccaattcagg 300
cacatcacat atctagacgt tgcgaatgga acaacggaag ctcttgagat attcaaattg 360
tcataactct tcaactgaat gttcgattca ggtgtatcac ac 402

<210> 16093
<211> 378
<212> DNA
<213> Glycine max

<400> 16093

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tcaaacataa aaaaggaaaa ggtaattattg tagccgatgc tctttctcgg cgtcatgcat 120
tactttctat gcttgaaaca aaatcgattg gacttgaatg tttgaaaagc atgtatgaaa 180
atgatgaaac ttttggagaa attcttaaaa attgtgaaaa cttttcagaa aatgggtttct 240
ttagacatga aggttttctt ttcaaagaaa acaaattgtg tgtgcctaaa tgttctacta 300
gaaatctgct tatttgagaa gcacatgaac gaggtttaat ggggcatttt tgggtccaaa 360
atactctaga tacattac 378

<210> 16094
<211> 379
<212> DNA
<213> Glycine max

<400> 16094

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ccttcacccg acgaagacac tgacaaaaac ttatcttctc ctttttggac aaggtatggc 120
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ccataccagc tagatcttga caggtattga agccatccct catcttgcct tgaatgttaa 240
ggagagtccc aatcacacta tcacaaacat tttctctcac atgcataaca tcaatacaat 300
gtctaacatc aagatcagat cagtacgaga gatcaaagaa tatggacctc ttcttcata 360
tgcaactctt acttttata 379

<210> 16095

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations.

<400> 16095

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atacatactt gcaatttggt tgttgctcgg caaagaaagg ccaacaaatc ataggcacac 120
ctgcagatat actttcaagt gtagaattcc aaccacaatg ggtagaaag gccccaactg 180
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tctcatcaaa gaactcttgt ggcaaagata tagattcacc cattactaca tctggctctca 300
ttatccataa gaaatgttgc ttgctatttg ctagtcccca agcaaattct ttcaagtgat 360
gctctgtcat caccgttata cttccataat taacatatat gactgagtta gggtccatt 420
tgtct 425

<210> 16096

<211> 411

<212> DNA

<213> Glycine max

<400> 16096

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caaggtattg gtaagagcaa ctecccccca tccaccctgc acatctgaga tccaagcctc 120

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 agggccccc aa tccaccatct ttgtggccaa gaagatcggg caatgatccg aataatctct 240
 ttgaagaaca tgccgagaag catcatgcc aagggatagc catcgatcag acaccatgaa 300
 tctgcctagt ctgctcttgg cactgccatt gggcctaaac caagtgaat tgcctccaaa 360
 acatggtctg tcttgagat cctctctaa tctctgaga ttgacatcg 0

<210> 16097
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 16097

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 gtttataaac ttattgagct agctttgata ttgccggcgt cgacaacatc cgttgaaaga 240
 gctctttcag caatgaagat tatcaagtct aaattgcgca ataagatcaa cgatgtgtgg 300
 ttcaatgact tgatggtatg tgacaccgag cgggagatat tcaagtcgct cgatgatatt 360
 gatattattc gaacatttac cgcaaagaag tctcggaaag gacacttgcc tcgtatttta 420

<210> 16098
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 16098

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 cccttgggtg aaatgggaca caatttgtct tccctaagaac aaaggggggt tagggattaa 240
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 ttagaacc aa ctttgggcaa gaattttatt gtctaataat agcgggttga atgaatagct 360
 ctctggtaga aacagtagtg atttctctca ttgatggaaa gatctaaaga ttgtatttta 420

atac

424

<210> 16099
<211> 375
<212> DNA
<213> Glycine max

<210> 16099

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taacatatcg agaatttcga aatgaacac agaatctcct agcgaattca aaccacctaa 120
cttttgacac ggatatctga ttgccacca taacacatcg agactctcga aattgaacac 180
agaatctcct ggcaaattca aactgccgag acttttcaca cgaatgtatg attgaggtca 240
aaaatatatc tcaacgctca aaattcgaca aagaagcttt ggggaaattc caattgtgat 300
gacttttgac tcgggcatcc gattgaggct tgagatagaa tctcctagca aattcaaattg 360
gccataacat ttgac 375

<210> 16100
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16100

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atcgagacgc tcgtaattga aatagatgc tcgtagcaaa ttcaaacgac aataactttt 120
aactcggatg tccgatggag tcttgcaata tattgagaca ctcaaaattg aaaatagaag 180
ctctgagaaa attcaaacga caataacttt ttactcgaat gtctgattgt gtcccgtagt 240
atatcgagac gcttgaaatt cagatcagaa gttctgagca aaatcaaacg acaataactt 300
ttaactcgaa tgtccgattg agtcccgtaa tatttctagt ctacagaaat tgaaaacaga 360
agctctgagc atattcaaat gacaataact ttttaatcgt atgccgattg tgtcccgtag 420
tatattg 427

<210> 16101
<211> 377
<212> DNA
<213> Glycine max

<400> 16101

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atgctgaagc aaccaagggt tttcaaaagt acctagatga gtgccttact gctaagtgca 120
ttatcttggc atcaatgagt tcaaaactcc agaggcaaca tcaagacatg gacccatatg 180
agatcgtcga acatcttaag aagatgtacg atgggtcaaag caggacggct agattccagc 240
tatctaaggc tctgtttaga tctcacttg ctgcaaataa aaagggttga ccccatgttc 300
ttaagatgat tgatctcata gaacaacttg agaagttggg tgcactcttg ggaaagagct 360
ttctcaagat ttgatta 377

<210> 16102

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n` locations

<400> 16102

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ttcttcatgc ctcttaagta gcacatgtcc aaatctttga tgccatattc tgactttatc 180
ttctatggac gatagacatg ttgaggagta gctggtttct tgaggagtcc ataggcagca 240
gatgtccttg gacctgctgc ccttgattag agcttcactc ttctgcttcg ttaccaagca 300
ttctgacttt gagaagctta cattgaatcc ttcattgacac tactgactga tg 352

<210> 16103

<211> 367

<212> DNA

<213> Glycine max

<400> 16103

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taattcagtc ttaacagcct taccatcta tttgctgtcc ttcttcaaga taactaaaca 120
tgtggtgcaa aagattgtat ctattcaaag gaatttctta tggggaagtc accaagactc 180
caacaagatc ccttggggag gcgccatttg cacatgaatc actcttgagg caaaaatcaa 240

ggatcaaattg gctcatggaa ggtgacagta acacatgctt ctttcataaa tccataaatt 300
 ttagaagaca ttataatgca gtctaaggaa tattcattga aagtatatgg gttcagcaac 360
 caaaatt 367

<210> 16104
 <211> C
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16104

tagacaactt anagaaacca atttggaag catattgagc ccaacatttt acactcaaga 60
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 atttattatg tccgaatata ttcaaaggat attgaagata tcatatgttt aacatttatt 180
 attaagattt agagttttaga gtttatatca ttatgatatg tttttatctt gtctttggat 240
 ttgtttcatt tattagaact cttattttgt taagatttgt tttctctttt aggaatcaaaa 300
 tcttatttta tcatatcttt agttcatata agattattgt tttatcttat ctttaggtta 360
 gacactatta aaatttggtt tccgtcactt gttntgtatt tccctataaa taggaagcca 420
 tg 422

<210> 16105
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 16105

ttcttgccat tacaccactt gaccattcaa ctaggctgca tcaagatgaa gggaaaccat 60
 atgaagatgt agcatcctac agaagattga ttgggaaact tctgtacttg aacaacacta 120
 ggcttgacat cacatttgcc actcaacaac ttagtcaatt cttaagtaaa cctagtatga 180
 cactactaaa tgctgcctgt aggggttgta agtacctcaa aggcagtcct ggccgaggcc 240
 tgttcttccc aagaaagcca gaaatccagc tactaggatt ttctgatgtt gattgggggtg 300
 gttgcttaga ttcaaggagg tccatttcag gatattgctt cttcttgggg gcatcttga 360
 tctcttgag agctaagaa 379

<210> 16106
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 16106

tgtttttata gaaggatcgt tcttaatttc tctacaattg catcacctct caatgagctg 60
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 aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttgtaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgctacaagg tgggcaccct 240
 attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
 gagctttatg ccttaataag agcccttcaa acttgtgaac attaccttgt t 351

<210> 16107-
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 16107

aagtctgctc gcatgctttc tttcttcaag cttgttcaga cacaattttc caaaagcatt 60
 aaggctatgc ggtctgataa tgctaaagaa ttagctttga ctgagttttt gcataatgca 120
 ggagtagttc accagttttc ttgccacac agacctcaac aaaattcagt aatagagagg 180
 cgccatcaac acctattgaa tgtagcacgt gctttaatgt ttcaagctca gatgccaatt 240
 tatttttttg gagagtgtgt atccacgaca gttacatcg tcaacagaac atcaagctca 300
 aatttgcaga accaatcacc atatgagttg ctatatggta aagtaccagc ctatgatttg 360
 ataaagggtg ttgggtgctt gtgcta 386

<210> 16108
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 16108

agcttcaaga ataatgacat catccaatta tttatttccc gaagggaatt ctataaatag 60
 gcctcctatt tttaatggcg tgggttacca ttattggaaa acccgcatgc aaatttttat 120
 agaggttaata gatctgaata tctgggaagc aatagaaatt gggccctaca ttcccactat 180

ggtggcagga aatacaacca tagaaaaacc tagggaagaa tcgagtgagg aagaaaagag 240
 attagttcat tacaatttaa aagccaaaaa tataattaca tctgcttttag gaatggatga 300
 gtacttttagg gtatcaaatt gtaaaagtgc aaaagatatg tgggataccc tacaattaac 360
 acatgaaggt acaacaga 378

<210> 16109
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16109

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 tatatcaaat ggacataaaa agtgcattcc acaatggact aatataagag gaagtctatg 120
 tagaacaacc ccctggggttt gagagtaaca ctttccacaa catgttttta aactcattaa 180
 agctttgtat gggctaaaga aaactccttg agctttgtat gaatacctta gttcattcct 240
 tttgataaat ggttttgaaa gaggaaaagt ggatatagct ctattctgca aaaactatga 300
 ctctaattt atattagtagt aaatctatat ggatgtcatc atacttggtg ctactaatga 360
 acctctatgt gaggatttct ctaagttaat gtacgttgaa tatgaaatga gcatgatggg 420

<210> 16110
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 16110

gaggaaattc aaacgacaat accgttttta tttttgtcgg attgagtcac gcaatatcgg 60
 gagacgctgg aaattgaaga ccgaagctct gagcaaattc taacgacaat aactttgtac 120
 tctgatgtcc gattgagtcg cggaatatgt cgagacgcta gaattgggat accgaagctc 180
 tgagcatatt catacgacaa tgcctaataa ctcgatgtg ggattgagtc acgtaatatc 240
 tcgagacgct cgaaattgaa taccgaggct atgagcgaat tcaaacgacg aataactttt 300
 tactcaggtg tgcgattgag tcccataata tgacgagacc ctcggaattg aataccgaag 360
 ctatgag 367

<210> 16111
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 16111

cccaacttga atggattttt caggttcgag cagtgcaatt gagactgagg ttttttgg
 gcaaaactctc accgcttaca aaaattccgg giagaaattt ccaggatgtc acataaaca 120
 acatcaaaag aggatccata tacagtgaat tcattccata acacctcgat gcaattttct 180
 aaaaaatcac taaaaatact aatcatgcac cactagaaga taccaggggc attgcacatg 240
 ccgaaaggca tcttctgtga agcaaaagt ccaaagggac atgtgaatat ggtcttttct 300
 tgatccttat gaacaatagt gatttgcata taac 334

<210> 16112
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 16112

tgcttaacat taggcatgtg aagcggggcg aattcctaga ggaactccct tatgttatca 60
 gacataaata gggaaaagga aatgttgtag ccgatgtctt ctctcggagt catgcattac 120
 tttctatgct cgaaacataa tagagcgccc atgaatgta gcaccgcatg tctgaacatg 180
 atgaggcttt tggagaaatt tttaaagctt gagataaggc atcagaaaat ggctacttta 240
 gacatgaatg cttactttcc aaagaaaaca catggtggat gcctaaatgt gctacaagaa 300
 aatggcacgg ctgtgaagca catgaatgag ggttaatgag gcatttggtg gtacataaga 360
 gtctaa 366

<210> 16113
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 16113

tactaaggca cctattctag ctgttcctga cgtttctaatt cttctgagct agaattgtgac 60
 gcctatggag tgagacctaa agctgtattg aataccaagt gggcactcta ttgcttattt 120

tagtgaaaaa cttcacggtg ccacactcat ctaccccacc tatgataaaa agctttatgc 180
 cttaacacga gccatgccta cttgggagca tcacottgat tcccacgaat ctgtcattca 240
 tagcgatcat gaatcactta tgcacattcg acggcaacag caagttaagc caaaagcatg 300
 ctagatggct acagccctat agcacttcca t 331

<210> 16114
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 16114

tgtatattgt cttattcaaa acaggaccac tttcatattc ttcccttgca ttggcataat 60
 gttcaattac tgtcaaggct tttggagcat ctataacttg ttcaactata ttttgtgcaa 120
 catttcggtt gataagctgc atcaaatctc tctttttcct ctgtattcct tcagcacgaa 180
 agtatTTTTT ggTTTTcaat tgcttgGcaa ctttagtttg tatctctcct ttgacaatct 240
 tcttccgtat cgcattcaga gaagccccct tctcaagctc ttctaacaat tcttttcttg 300
 cttcctcaaa ttccatctaa ttcaattaag cagtgagtgc caaaaagtat tgttagagaa 360
 aatgaaatat gattgacaat ctaagtaatt aatatttaat actcagcaga aaaaagaaga 420
 aatcagaa 428

<210> 16115
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 16115

ttcttataga ttgtccaatc cataagtggg tcaaataatt gtttttttat ttttttttca 60
 aaaatgttgt acaaattaat ttaaaattaa tgaccatac aagaatcaaa ccttcgagat 120
 ttgtgttatt agcacaacac tctaaccaac taaactaata aatgaattat attatacaat 180
 aattaatgtc actatatgta atactaaaat ttttaattat taatgcgcat gaaaatttag 240
 ataataaatt ttgcaacaat taattttgat ctaacaatta atttgtttac acatgttcgt 300
 agaaaaacaa ccactagacc acatgtcatt cacatattgg ataattgaac actgcagaag 360
 ttgagtg 367

<210> 16116
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16116

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 tctactatca ttgatcttca agaagaaaag gactccattg atgaagaagt ttcaaggcgt 120
 acaagctcca catggggcta catcagacag cgtcgactgc gtcacgtcac cagaaaccac 180
 caagtccctg gcagcatcca ggtggaacct cccattcgtc ggcgagaacg agtgtgctag 240
 catccccaag ctcccgtcga acggctcccc ctggctgtgg tcaccactga agaaccgat 300
 cctaattgtg gtgcttgttt ataaataagt gcaacaagtt tttctttcat tgtgnctctc 360
 ttgtgtgcct tttccatctg caacaaagct tgttcta 397

<210> 16117
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 16117

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 ttgataccgc tcacgggttc cgcacgcgta ctacccgcaa acatggagtg tcaactcctga 120
 ggtgcccatt gaatgaactt actttcattg attgcgttga gcttactgac cgctctccag 180
 tcgtaactgc tgacaggccc acttgcttat tgagaactgc aaccggaacc cg 232

<210> 16118
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16118

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 gggatgacat tacattntgg atgggtaatg gcggagcata tggttcttga atgtgatggt 120
 ttcaaggtaa gctgataaag cccatgactc acttcaactg taccaatctt cactttggtg 180

ttgatatcct gcaaaacaca agtattagag gagaagatta actcggagct gtttgcgga 240
atgagtttgg atatggatat gagattaaag ctaaaagaag gtatgtatag aacatctttc 300
aatgtaattg aagaggtgag atggacggtt cccgagtggg tggcatgaac ttcgtgtcca 360
tttggttaact taactagaat gggtttaatt tggatgatg aatcaaaa 408

<210> 16119
<211> 413
<212> DNA
<213> Glycine max

<400> 16119

tcagtggctt agtgaagatg aaaaggtaaa agtgactcaa caggttgagg tgagtctcac 60
cattggggaga tataatgata ggggtgtgtg tgatatggtc ccaatggaag cgacccatgt 120
gctgttagga agaccgtggc agtatgatac caaggcagtg catgatggct tcaccaacaa 180
aatctctttc aagcaagatg acaacaaaat tgttctcaa cgttatctc cgagagaggt 240
ttgtgtggat cagataaaaa tgagagaaaa gaaaaggagt gagacacttg agaggaaaaa 300
gagtgaacaa cttgagaagg aaaagagggg aaagaaaaag agtgaaacac ttgacaggga 360
aaagagagaa aacatataga gtgaaacact cgagagggaa aagagagaaa aca 413

<210> 16120
<211> 379
<212> DNA
<213> Glycine max

<400> 16120

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tccccaaatc ccttataaat gttaaagatcc aggtacattc aacatacctt gtattatagg 120
gaacaaggag ttgacaatg ccatgctaga tttaggagct tctattagtg ttatgccttt 180
gtctatTTTT aattctctat ctcttggctc tttgtagtca actaatgtgg tgattcattt 240
agctaataga agtggtgcct atcctgctgg tttcatagag gatgtcttag ttagagttgg 300
tgaactaatt ttccctggtg attcttatat ttagaatatg gaggaaggat tttctcatgg 360
atcacttccc atcattcta 379

<210> 16121

<211> 416
 <212> DNA
 <213> Glycine max

<400> 16121

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 ctagttcgtg atttggatca tggggggt ttttccact tcttttagtg tgggggga 120
 tggatccatt tatggtcact tcaaaggaca ggggggtctt agacaagagg atcctctctc 180
 cccttatctg tttgtgctct gtttggagta cttttccaga gatatgagca gcctcaagga 240
 tgatgccaat tttaaatttc atcccaacta tgcagggtatt cagctatctc atttggcttt 300
 tgcagatgat attatgcttc tatctagatg agatatccat tctgtgttaa ctatgtttgc 360
 caagcttcag cacttctgta gggtttcagg gctttccatc agctctgata aatctg 416

<210> 16122
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 16122

taataagagg catgctaagt gggtagagtt tttatagcaa tttccatatg tcatcaaaca 60
 taaaaagggg aaaggggaatg tagtggctga tgcactgtct atgagacatg ctttacttgc 120
 tatgcttgaa actaaactgt ttggactcga gtctttgaaa gacatgtatg tgcattgatg 180
 ggactttgct gatatttttg ctgcatgtga aaagttttct gaatatgggt actatatgca 240
 taatggattc ttgttaaagc aaataaattg agtgtgccta agtgttccat tatagagttg 300
 cttgtgagtg aatcacatga gggggggttg atgggacact ttgggggttca aaagaccctg 360
 gaaattctgc atgagcattt tctttggcct catatgaggc gtgatgtgca taa 413

<210> 16123
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16123

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 gtttttctgt catgtttaag ttgtatgtaa cttgtatttt cttcacagat ggggcatgca 120

tgatgaccct taacactgta accggttgaga ttcccatatg ctggaaagtc attaatggta 180
 caaaaaagca ttgcacgcat ttcaaaggtc tccttgcgaa acgcatcaaa cactactacc 240
 ccctcgcccc acaactttct cagatcttca accaacggac ttagataaac atcaatgtca 300
 tttcttgggt gtcttgagcc cgatatcacc atagacaaca tcatgtatta tcgcttcacg 360
 ccaatcaagc aggcnaatt ; taacttactc taagaactgc ccctgaactc ta

<210> 16124
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16124

tgctttatct aggtgggggc atgcaatcag tttaatatgt tgctggggat ggatatccag 60
 cctttttact gaaatagata ttatagagaa gcatatcaac aaaaagaact gaaaaaaaaat 120
 taaaattggt gattttcatg tattttcctt tttgttgttt atctatttca cctgtccccc 180
 ttaaaatata ttttcttaat atatcttact gtttccactt ttgatttttg tgaccctcat 240
 ttgaaccact ttgttgttct ttacaggaca aaattgaatt aagggaagga tcttggtttg 300
 aaccattaaa agatatggaa ggaaagctag tgggtcttgg tagtaacca ccttatatac 360
 caagtaaaga catctctggt ctacaagctg aagttggtag gcatgaacct ag 412

<210> 16125
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 16125

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 tactaattaa taagcatagt ttaataaact atattgtcct tgaaatattt ctttattaaa 120
 ttataagata attattataa aaacaaataa ttttacaaga tatagggact tataattgta 180
 tgatcatata ataacctgta cactccaata tttctattgg ttagtcttaa aaagataaaa 240
 ccaaatttac aatgaattta tattttcaaa attaaaatca tgaaataaaa gtttatctga 300
 tgaataaaca actagttgac tttacacaaa tataacgatg gcatattaat aattgtttta 360
 atctctatta gcacaaactt tttgttttaa 390

<210> 16126
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16126

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tggcctanaa caaatgggta ccagaagata attttgaaaa aaaatctttt agaaggggrrt 60
tgaaatttga attttaaagc tgtaattgat taccattgat gtgtaatcga ttaccaacaa 120
cgaaactctt gaaattcaat ttgaaaagtc atgatacttc aaaatataat tgtgtaatcg 180
attaccagaa acctataatc aattactagt gaagaatttc agaataagct ttttgaaaag 240
acacatctct tcaaaccatt ttgaaaaggc acgaagggcc tatatatatg tgtgtctgac 300
ttcaaaaagt aagagagaga tattctaaga gaacttcatt gccaaattct ctctcaacaa 360
ctcttgggca aacacttgta aatctattga gacttcatcc aggaatttca aat 413

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<210> 16127
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16127

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gtataatgac agaactcgac acatttataa gatactttat cataaatcta aattttattt 120
tgtgaataaa cacatatctc gaggtggtat aatcatagta tttaaatgaa ttttaaactc 180
ttataatttt tgatctaaat tgtaattttg gtcctacctt gttacccaaa tacatgattc 240
tgggtccatat atatttttga tgtgacatat ggtccacata gatataataa ttggcgattt 300
tgggtccactt agaacatgat aactaatgac ttcaataat aaagttatta tatgattcta 360
taattaatta aac 373

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<210> 16128
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 16128

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aaagctctcg agaaattcca atgctcatta tctttaactc ggaggtctga tttaggcgca 120
taatatatca agacgctcga aattgaacaa cggaagctct ctagaaattg aaatggatcat 180
aactttttcac tccgagggtc gattcaagtg catgatatat ccagacgctc gaaattgaac 240
ctatagatgct cctggagact cctgaggtt ataatcttc atctggaggt cggattctcg 300
cgcataatat atcgagacgc tcgaaattta acaacggaag ctcttgtagc attccaatgg 360
acataacttt tatctcggag gtccgattcg agtgaataat atatcgagac gatcg 415

<210> 16129

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations .

<400> 16129

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acaacattgc gtttgcccat cggtttgagg gtgacaagag gatgaaaata acaatttagt 120
gcccgaacttg ctccacaaag tcctccaaaa atggcttatg aacttagagt ccctatcact 180
aacaatgcta cttggcaaac catggagtct cacaatctcc ttgaaaaaca aatcaaccac 240
atgggaagca tcaatcaact gtcttacatg gaataaaatg agccatttta gaaaacctat 300
caacaaccac agaaatggaa attctaccat tgcttgtttt tgacagcccc aaaacaaat 360
tcattgataa atcactccaa ggaatactac ggaattgaca atggagtata caatt 415

<210> 16130

<211> 350

<212> DNA

<213> Glycine max

<400> 16130

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tagaatgtat tgcttgccat caaccatgac attattacaa agactatcct atctagacca 120
atatgcttac taaagaagca taactgataa aaagctgtat gatgaacctc atccccatag 180
tgatgtaatc tccattggag ctgtgatgcc taggatcctc ttcattaatg gattcctttg 240
cttcttggaag gatgaatggc agtggaatgg ataaggaaga gagagaggag atgcccacttc 300

agggagaata tgagactaga agaagctcac caccatagga tgccatggat 350

<210> 16131
<211> 404
<212> DNA
<213> Glycine max

<400> 16131

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gatggtgcct cccctctact cttctctctt gccttccgct gcatctccat ggtggaaaat 120
caccattgaa gctcaaagat ccagcctcca tagaagcttc acatgcaagc ttccatcaga 180
gatagtgcaa ctgatgtca aaacaacctt tctccatgga agattggagg aagacattat 240
gatgcaacaa cctgaagggt ttgaaatggt aggggaagaaa aattatgtat gtacgttgaa 300
aaggtttata tatgggttga aacaatctcc aacgaagtgg taccagagag tcgatgagtt 360
catattactc atgggtcaac aaaagtgcc atgatcatgt atca^ 404

<210> 16132
<211> 418
<212> DNA
<213> Glycine max

<400> 16132

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aaagggaagg tagtggttgt tcctttaaaa attacctttt agtggagtat ttataatgta 120
tatgatctta catggtatctt atttgctcta gtgagtgtag acagaacata gagtttagttg 180
agcaattaag ttcaccacct ccaaactcca gagttttgta ttttccatct cattttccac 240
aaaatgggtg ggaacagttt aaagcatgct tgtggaaaca acatttggtc tattggagaa 300
ttccttcata caacttgatg cgcacatcat ttgtgctgtg ctcatctctt ttgtttggga 360
tattgttttg gaagcaagga tagacaatgt tagtgatcat aattttattc tacttatg 418

<210> 16133
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16133

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aataacccaa atttgtttta agacttcaag gagtccatgt ctctgaatt tgagatgaca 120
gatatgggac tcatgtcata ttacttagga aggggaagtga agcaaaggga aaatgggtatc 180
aatcccgltga atccacacat gggaaggggc ctgaagttat caaagttga tgaaggagag 300
aaggtagacc ccacggtctt caagagtctt gtggggagtt tgaggtatct aaccaatata 360
aggcccgata ttctatatgc ggtgggagtt gtgtgtcgtt ttatggaggc tcctac 416

<210> 16134

<211> 417

<212> DNA

<213> Glycine max

<400> 16134

tgtatcatct actaactaca aattgatttt ttcacaaat atttgtattc tacaggatac 60
caataccaag gtgaggattg gtacaattga agtgaatcgc ggcctctatc aattcaccac 120
cgaagcacca aaaacacata ccatatgttc tatcattaca caccacaaagt gtctaatacct 180
ccctgtaaat ctatggcatt ttcgtatggg tcaccctttt cccgaaagat tacaagccat 240
gcaaacatac taccctttct taaataataa caagagtttc atttgttaata cttgccatta 300
tgccaaacat aagaaattac cttttcattc tagcacatct catgcattaa atcaattcga 360
gctttttacat gttgatattt gggggtcgtg ctccaaaaca tccatgcatg ggcaccg 417

<210> 16135

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16135

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tgataagcaa ataagcttat taacaccagt tgtgatggat gcaaccccta ttggtgtaaa 120
gtttggggat tgtagctctg atgttcccaa gaactcgacc tttaagagag ctgacatggg 180
gtctgttact ttctgggtctg cgtgccctcg taatgacctt atgactgaag gtacattttc 240

cctgggtggaa tttctccaag gaaaggatat gtgggttcct gcttatgatg atgatgattt 300
 ctgcctgcmc ttcaagtggc caagaccttt canactcagt tctcatagta aagctaccat 360
 agaatggaga atcccaaagg atgttactcc tgggtgtatac agaat 405

<210> 16136
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16136

ntaactgaat ttgcaacatt ccaaattgatt ttttaattggc gtaatcgatt acaatatatt 60
 ggtaatcgat taccagtgcg tctgaacggt gaaattcaaa ttcaagtgtg aagagtcaca 120
 tcttttcata aaatgctttg tgtaatcgat tacatgggta tggtaatcga ttaccagtga 180
 caagttctga ataaaaagtc aagagatgta actcttccaa tggttttctc aagattttct 240
 caagggtata actcttcaaa tggttttctt aaccagacat gaagagtcta taaaagcaag 300
 accttgactt gcattcaaat aacttttaca acttttgaga aatcttgaaa cctttccttc 360
 tcattttctt tctttctcct ttgccagaaa gctttctatg ttttctgt 408

<210> 16137
 <211> 400
 <212> DNA
 <213> Glycine max
 <400> 16137

ttgccaagag actattaact actctgtatt gatcattggc gattatgtcg aagctattac 60
 ccctaagaga ggactaagac aggggtgacct actgtcacct tacctgttca ttctacgccc 120
 cgaggggtcta tctaattaaa accctaacaa agacaacaat aagagaagga actcatggta 180
 ttaagggttg tagaaggact ccaatcctcc cacacctctt atttgctaata gattttttat 240
 tttttttata ggagtctatt attcttatgg aggttcttac ttctttatgg caaaatctct 300
 ggtcaaatga ttaattatca aaagtctgag attttcttca tcgacaacac tgaacacaca 360
 attagacacc acgtagcatc tgtacttggc gttaacaaac 400

<210> 16138

<211> 427
 <212> DNA
 <213> Glycine max

<400> 16138

tggttcaact gagtagccat ctgccccatc taatttgtca aactcttaat ggaggctctt 60
 gctctcagct gaaatggat aactctggatg gtcatttggc tcaactacac cctctagggc
 ggttggagaag gggcctgact tgccttgctt ctttctcgtc attgctgcat tggaggagga 180
 acatatggcc tgcttagact agcaacattc tagaaatgag ggacaaattg ttgttgctgc 240
 tgttgttgtt gtggaggatt tgcccatctc agatttggat gattcctcca acctggattg 300
 tatttgttgc ttgaaagatt ataattattc tgctgttgct ggtttttttg ttgagggggg 360
 ctattataaa tgtttgcagc ataggcttca ggttgcctcat tgactccagg ttgctgcaaa 420
 gaaagat 427

<210> 16139
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 16139

tatagaatat ataatataag aacactgaca atataatagt ctatacatgt ttcctttgat 60
 gagtctaattg ccattcttcc aaggaaggat ttttttagatg atatttcaga ttccgtagaa 120
 gatacacata ttcattggaaa tgattctaaa gaaaaagatg aaggaagcaa tgaggattct 180
 caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc ctcaagagat 240
 catccccctg acaacattat tggatgata tcaaaagggg taacaactag acattctctt 300
 acagatttat gcaataatat ggcttttgta tctatgattg aacctaaaaa tataaaagaa 360
 gccataggag atgataactg gatcattgcc atgcaagaag aactgaatca atttgaaag 419

<210> 16140
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 16140

tgcttagtaa agctaggcac taacaatctc cccctttggc aaattttgtc taaaacatac 60

ttagacactt cctgagcagg tacgagcagt tatgcatgtg ggatcagcaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
 catcttctat cagctactag tcttttccag gatgtcaaga catctcatgt gacatcagct 300
 tctccctgtc tccctgctct tactgcagca tcttctatca gctctatta gctcctatca 360
 gtcacatca gcagcagcag tcttccc 387

<210> 16141
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 16141
 agcttgatgg cgtgtaactc accattttcc ataataaac actttatgtc tactatcatt 60
 gttattattt ctttcttcgt cattgagggg aacacttggg ttgccagatc cctccacctt 120
 tgggtgtatt ctttgaaaga tctgtgcccc ctttttgcac atgttctgta gttgcatcct 180
 atccgaagcc attatactga cactgcctaa cgaaggcaac cattaggtcc ttccaagaat 240
 agactcggga aggttccaag ttagtgtacc aggtaacagc taccacagta agactttctt 300
 ggaaggaatg tatcagcaat tctcatctt ttgcgtatgc ccccatcttc cgacaatgca 360
 tctttagatg gttcttgggg caagtattcc ccttg 395

<210> 16142
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16142

ntgctcctaa ttctaaaaa attccctctg cctagcatga tgtacggtac aggtaatgca 60
 cctctgatta ttgtagtggg gaacgagggt tattttagttg ttaatcattc catgaaccct 120
 tttccttaca tctcttttgt agttgcagag gttcaatatc taagccagga aaaaaaactt 180
 attagtcatc taaaatcttc acaaatgtaa cctaattggtg ccaaatagcc acatgtttac 240
 ctgctcagga gcacctttgc tagatcgatg ccaatttcca tcagaatcaa tgtaagttag 300
 aggagtcttc ttgtccacaa gattgaatgg aagaaagtgg acctccctaa taccagctcg 360

tgctgatca gttcatagga aaagtgaatt tatttatcac cattcatccc acatcataaa 420
agataatc 428

<210> 16143
<211> 378
<212> DNA
<213> Glycine max

<400> 16143

agcttgttga gcttgaaga ctctctgcat caatgaagaa gttagagaaa gatctcaaga 60
acaagaataa atacgatgta tgttatccat tcttgtggat aaattcttca aactttctgt 120
tatgggtttc tttggactgt gattgcctta cttttgtatg tgtattgggt acctatatat 180
ggctgcagga tgagcaatac cgcgccaaac taaaagaagtc aaatgagagg actctatcac 240
ttatcaaagc atgaattgat actgtggtag cagtaagact gcttcaatcg gcaccaaga 300
cagctactcc tcgcgtaact ggggcttttg gatttgattc gtctctaata tcttgctatc 360
aggtacctgc tagtataa 378

<210> 16144
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16144

ttgcttatta agtccgtcta tggattgaaa caagcctccc gccagtggta tataaaattt 60
catgagggtca tttcttcatt cagctttgaa gagaatgcc a tgtatcactg tatataccag 120
aaggtcagtg agagtaggat ttgtttcctt gtattatacg tagatcatat tttgcttgcg 180
actaatgata agggatatgct atatgagggtg aatcaatttc tctcaaagaa ctttgatatg 240
aaggatatgg gagaggcatc ttatgtcata ngcataaaga tccatagaga aagatctcga 300
ggcatttttag gcttgtccca agaaacctat atcaacaaag ctttagagag aattaacatg 360
aaagattggt caccaagtgt agctccc 387

<210> 16145
<211> 421
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16145

ntaagagcaa ttcccttctt cttcttatca gtttcttttg ttgatttagt ctttgcaact 60
ccatctcatg ttcctgtaat tttcaaaata aagtagcaag agacataata gacaaatctc 120
tagattccat aatgggttgt accttgggtt gcttcatttt gaaaagtctt tcccaaggaa 180
gcaagatggt taactatatg tgtgaatctt ttctgcatat cttgtatact ttcatttgtc 240
ttcatcctaa ataattcata ctcatgagtt agagtattta tccatagatct ttgacatca 300
gttgttccct catgtgtaac ttgtagagtg tcccacatat ccttagcact cttacaattt 360
gacaccctan aatattcatc cattcctagg gcagaagtaa tgatatnttt agcctttaaa 420
t 421

<210> 16146

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16146

tggcattccc attggtggaa ggaccttagt tttctttata atcagtctga tttccacagt 60
atccagtaga atatggtatg gaaggttggt tgtggggaca aaatcaaatt ttggcaagat 120
tcttgactga gtgagggctg taagcatttc aaaaaaagat tcttggcaat atggaaggaa 180
ggttagttta ttaataatat tcaaagaaag attctcagag tagaaccctg gcagaccaac 240
cctggatggg attcagtttt cttctcttgg ccaagggcag aaggaaagcc ttgctgctag 300
attctctgaa gtggaaatta agtctgcagt ttgggcttgt agtggagata aaagccctgg 360
cccgtatggt ttgaacttca actttatcaa gtagttntgg gaaattctaa aacctg 416

<210> 16147

<211> 390

<212> DNA

<213> Glycine max

<400> 16147

agcttgatg gttaaagtct cactgattgtc acgtgctcat gcaacaattg ttagccatgg 60

ctatgcgaga catcttgcca aacaaagtcg ggttaacgat aactcgctg tgctttttct 120
tccatgctat atgtagcaaa gtcattgac cagtaatgtt tgatgagttg gaaaatgagg 180
ccacaattat actgtgcctg ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcacctg gtcagagaaa tcaaagtgtg tggtcctgtt tatctacggg 300
ggatgacccc ggttgagaga taactgaaga tcttcacggg gtctacacag tctctctctt 360
gtacagaagc atcattatt gagagggtaca 390

<210> 16148
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16148

tgtaatcgat tacatatata ctgtaatcga ttaccttagt tgattttcag aaaatactct 60
caacagtcac atgtttttac ttggttcttg aatggccatc aaaggcttat atatatgtga 120
cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180
caaaatcggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggat 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattact tcttttcttc 300
ttctttattc tgaaaaagga ttaagagacc gaggggtctct tgttgtaaag aaatctgaac 360
acaaaggaag ggttgtcctt gtgtagttca gatcttgtaa taggctntta caagatagtg 420
gaactct 427

<210> 16149
<211> 385
<212> DNA
<213> Glycine max
<400> 16149

ttgcttctaa actttataca agaatgaagc tctgatacca cttgttagac aagtggcctc 60
aaatatctta agaagggggg ggggggtgaa ttcagatatt ccaaactact tccccaatta 120
aaaatctatt acacttttta atcaagttat gaattccctt aatgataatc ttcttaaata 180
ttaattcaaa taaaacaatt tgaatatgaa tataaaacaa taatatataa aggacgatta 240
atggaagcga gaatgcaaac tcgggttttat actgggttcgg ccacaccctt gtgcctacgt 300

ccagtcacca agcaacccgc ttgagagttc cactatcttg tacattgctt ttacaagttc 360
 taaacacaca atgacaatcc ttcca 385

<210> 16150
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16150 -

ntnttttctc tattttttgt gagctactta gttgatattg ttttgttgat tcactatcac 60
 atgaattatg aagccaggaa cattctatgc cttgccacaa agtcctcagc tatttaagca 120
 aatgctaata gtagctggtt ttgacaaata ttatcagatt gcaaggtaat attttcgtct 180
 tatgtttgag tctttatttg tagcttggct tcttttacga gaatatgtta ttgtccctca 240
 tgtagtgtt tttccttttt ctcttttaag tttttccct atattaatat gcattttgtt 300
 taagtgactt tcataaacta agaatataga atgcttggtt ttgtaagcta tactaaactt 360
 aaaattgaaa caattatgat gcaagtgact tttctttttg gataaaatgc a 411

<210> 16151
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 16151

tagctttgga gtttccaagt gccaattcgt cctcttcttt agtccagtct tcttctggct 60
 tcaattcatc agtgggcttt ccttctgtgt ccagcatctt gggatgttcc cagcctttga 120
 tgacagcttt ccaggttctg ctatccagtg atttgaggaa ggccaccatt attgctttcc 180
 agtattcata gttgcttcca tcaagaattg gtggtctgtt cactggctct ccttctttct 240
 ccatgttcat cagaatttat ctcccagat ctcaactctgt gatttcgagt gttggctctg 300
 ataccaattg aaattctgat accaggggac agatgtcgta caggatgtca cgacatcacg 360
 cttcagaaca tgcagattgt atgtgt 386

<210> 16152
 <211> 391
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16152

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agctttttcc tcgttgaag gcaacgacaa agggatctca gatagtttca ggcaagcttg 60
ccaagcgggt ctatggaccc ttccaagtca tagaatgcat tgggctcgtt gcatataagt 120
tacaattgcc ataggaagtt aaaaacaccc cgtattcca ctattccaag ctgaagcttt 180
tttgcggttc accagaaaat atggcgggaa ttgcctggca caaggagtta ctcaacgacc 240
aaccctctgt gtttccatta ggtatcttgg attaccgtag agcatccacc gaggatccct 300
gngaggtgct agtgcaatgg aatggtctct cacctgatga tacctagtgg gaggattgga 360
atcagctgtg tgaaaactac caccttgagg a 391
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<210> 16153

<211> 417

<212> DNA

<213> Glycine max

<400> 16153

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tgatgagaaa taaatgtttt gcttgggtaca acatctatgt tatttaatga gatcattaca 60
ttatttgtgt cttaatagga agtgaaggac atacattaga ggaagccaaa tctatcaatc 120
tatecttgag tgcattgggg aagtgtatta acgcacttgc agagaatagt gcacatgtgc 180
catttcgtga ctgagcttac tagattgcta cgtgattcat ttggaggtaa gattcagtga 240
gtataataat tcataatttg tctttgttca ttatacaaaa gcagtaagat ttggcaaaat 300
actcttecta actttcagga cgtgagacag atgaagtcga gccataaccg gatgctctgc 360
ctaactctga acagtaagct gcctaattgt tctttgatgc attttagaag tctaatac 417
```

<210> 16154

<211> 397

<212> DNA

<213> Glycine max

<400> 16154

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agcttcatga aaaagatggc ctgagcaaat tccttatttc cagaaggaaa ttctatcaac 60
agacctcaa tctttaatgg agagggttac cactactgga aaacctgaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
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acagtagaaa gagtttcaat agatggtagt tcatcaagt aaagcataac catagaaaa 240
cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300
aacataataa catctgccct aggaatgggt gaatatttca gagtttcaa ttgtaagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatg 397

<210> 16155
<211> 426
<212> DNA
<213> Glycine max

<400> 16155

tgtgggatgg ctttgaagat tgatatcaat aaggcctttg atagggttga ttggaattat 60
ttgttggttg ttatgatcaa gatgtggttt catcagaaat ggggtggattc gatgaaactt 120
tgccttgggt ctacgcaatt ctacgtaatg gttaatgagg attccttggg acctatttct 180
cctaggagag ggctaaggca gggtgaccaa ttgtcacctt acctgttcat tatttgcact 240
gaaggtcttt cttcccttct aaaaaaatct gagaggagtg gtgagttaca tggatcaag 300
gtgtgtaaag gagtccctgt cctctcacac cttttacttg ttgatgattg tttttgtttt 360
gcagggtaaa tgatattgag catattgctt tgaaagctat tctagattcc tatgggtgaaa 420
attctg 426

<210> 16156
<211> 384
<212> DNA
<213> Glycine max

<400> 16156

agctttaaaa gattggctaa gattttgtta aacataagc acttagacaa tgaaggaaag 60
ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
gcataagtca agataaaatg tcaaatgaag cattgaagct gcaggatcca cgatgtcggg 180
tacgatgtcc tgacatcttg cccgaaaata ctggacacat gaatctgtta tatctttaac 240
agattattgt gcagtttagca agagataaga agatctatct ttatgaacga attaaaagat 300
aattaaagtt cgaatttcaa agtagaagag ttcgttcagg gattaaagat tatagataaa 360
aactaaaaga tcaaaactgta tctt 384

<210> 16157
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 16157

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ttggccttr aaatgccarr aagaggtrca accacccat tcatctggg cctgratgg 60
ggggaattat ggcggtggaa tcttgaaacc tcacacaatt cctttatcat tttggtggtc 120
aaaatggtgg cattatttgg ataatcttct tgggccaccc ataccggcag aatatctctt 180
tcttaatgaa cttgaccacc acacttcctt tgtacaactg gcatatgaag cagcttcaac 240
ccatttgggtg aagtaaccga tctgcaccaa aatgaagcga cgtctattcg gagcccttgg 300
ctcaataggc ccaatcacat ctattcccc cat 333

```

<210> 16158
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16158

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tatagaaact caagcttctc gagaaattcg aatgggtata acgttttcac tcaatangtc 60
ctgatgcggc ggacatcaac tcatgtagac gctcgaagat tgaacaacgc acgctctcga 120
gaaactcgaa tggtcataac atttcgcaca catgtccaaa tctgtgacct aacatttcta 180
gacactccgc actggctgga taaagatctt gtcatatcca aactgcagta acatcgcgcg 240
cgccatgcct atataagctc gcgagcaacg gcactcccc ccaacat 287

```

<210> 16159
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 16159

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agcttcaaga aaaagatggc ctcagcaaatt tccttatttc cagaaggga ttctatcaat 60
agacctcaa tctttaatgg agagggccac cactactgga aaacccgaat gcacattttt 120
atcgaggcaa tagatctaaa tatctgtgaa gccattgaca tagggcctta tatacccacc 180

```


acagtacaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 cctagagaca gacggtctga agaggataga aaacgagtac aatacaacct ataagccaaa 300
 aacataatat catctgccct aggaatggat gtaatatcca gagcttcaaa ttgcgagagt 360
 gctaaggaaa tgtgggacac tc 382

<210> 16160
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16160

tgtagggtta aagtctcacg attgtgacgt gtttattcaa caattgtag tctgggctat 60
 acgagacatc ttgccaaaca aagtcagggt agcgataact cgcttgcgct ttttcttcca 120
 tgctatatgt agcaaagcca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180
 aattatactg tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattta 240
 cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatc tacaatggat 300
 gtacccgggt gagcgatata tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360
 agaagcatct attgtagaga ggcacatt 388

<210> 16161
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 16161

agctttgagc aaattcaaac gacaataacc ttttactcgg atgtctgatt gagtcccgta 60
 atatatcgag acgctcaaaa ttgaatgttg aacctctgag caaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagttccgt catatatcga gacgctcgaa attgaatgtt 180
 gaagctctga gccaatcaaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
 tagtatatcg agacgctcaa aattgaatgt tcaacctatg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtccc ataatatatc gagaggctcg aaattgaatg 360
 ttgaacctct gaaccaattc aaaagacaat atctt 395

<210> 16162

<211> 429
 <212> DNA
 <213> Glycine max

<400> 16162

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taaacattca atttcgagcg tctcgtatata ttacgggtct caatcagaca tccgagtaa 60
atttcgagcg tctcgtatata ttacgggtct caatcagaca tccgagtaa 120
attacgggac tcaataagac atccgagtaa aaagtatttg tggcttgaa tggcttgag 180
ctttaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagatatt gtcttttgaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgat 300
atattatggg actcaatcag acatccgagt aaaaagttaa tgccgtttga attggctcag 360
aggttcaaaa ttgaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 420
taaaaagtt 429

```

<210> 16163
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 16163

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tgtaaggtta aagtctcacg attgtcatgt gctcatgcta caattgtag ccgtggctat 60
acgagacatc ttgccaaaca aagtcagggt cacaataact cgtctgtgct tttcttcca 120
tgctatatgt agcaaagtga ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180
aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctggtca gagaaatcaa atgttgcggt cctgtttatc tacgggtggat 300
gtacccgatt gagcgatata tgaagatctt aaaatgggtat acaaagaatc tatatcgctc 360
ggaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt gttcagaata 420
ctt 423

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<210> 16164
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 16164

agcttcta at gtatgtaaga tgtgtattgc ctctaaatga gctacaggtg cataagtttc 60
 tttgtagtct attccttctt gttgagagta ttcttttagca actaaccttg ctttggtttt 120
 cacaaccttt caattttcat tcagtttggt ttgaaagact cattttcttc caatagcttt 180
 ctttcttttt ggaaattcga ctgactttca aacatcattc ctctgaaact gatcaagcta 240
 cttttgcatt gcttttaacc aattgtcacc ctgcattaca tcatcagtg gtttggtttt 300
 catttcagaa atcaatgcaa taggtcctta tgtcttgagt gatgatcttg ttggaacatg 360
 atcaactaga tcaccaataa ttgactttt tg 392

<210> 16165
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 16165
 atcttacgct ctttcaactg cacaagactc ttaatatattg aagagtatac atgtggaacc 60
 ttcacctgac gaagacactg acagaaactc atcttatcct ttttggacaa agtatgacaa 120
 gctgctggca ggttgattgt attcccatca gaccttggat gcaactgtga tcgtatcccc 180
 atcttagata catcttgacg gagattcaat ccatacttca tcttgccttg aatgtcaaag 240
 agcattccag tcaactctgc acgtacattt ttcttctgat gcatatcatt cgaccaatgc 300
 cttacgttta gatgacacca tgactgc 327

<210> 16166
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 16166
 tgcttttgag aaattcaa at ggtcataact tttcacacgg atgttagatt aaggcgcatt 60
 gcatatagag acgctcgaaa atgaacaacg gaagctctcg agaaattcaa atggtcataa 120
 cttttcacac tgacgtccga ttcaggctta taatatattg atatgctcaa aaataaacat 180
 cggaagttct agagatatc aaatggatcat aatttttcac atggatgtcc gattccggcg 240
 cataatatgt cgagaggctc aaaattgaac atcggaaggc cttgagaaat tcaaatgtgc 300
 ataacttttc acacgaatgt ccgattaagg cttataatat atcgatacgc tcgaaattaa 360

acaacggaac tc

372

<210> 16167
<211> 410
<212> DNA
<213> Glycine max

<400> 16167

tgtagggtta aagtctcaag attgtcacgt gctcatgcaa caattgttag tctgggctac 30
acgagacatc ttgccaaaca aagttagggt agccataact cgctgtgtt tttctttcca 120
tgctatatgt agcaaagtca ttgatcctgt taagtttgat gagctggaaa atgaggcctc 180
aattatactg tgccagttgg agatgtatct tccccgtgct ttctttgaca tcatgattca 240
cttgattgtg catcacgtta gagaaatcaa atgttgtggt cctgtttatc tacggtggat 300
gtacccgggt gagcgataca tgaagatctt aaaagggtat acaagaatc tatatcatcc 360
agaagcatct attgttgagc ggtacattgt agaagaagcc attgaatttt 410

<210> 16168
<211> 387
<212> DNA
<213> Glycine max

<400> 16168

agctttatag aaacctttgc tttttttgct agacttgaag ctataagaat catgctttcc 60
tttgctactc ataaaaatat aaagttatct caaatggacg ttaaaagtgc tttcttaaat 120
ggctttattg aagaggaaat atatgtcaaa caacctcttg ggtttgaaga tcatactctt 180
ccagaccatg ctttcaaact taaaaaagct ttgtatggtc taaaacagga accacatgct 240
tggtgtgaca gactgagttc atttctctta gaaatggttt tattaaagtc aaagtggata 300
caactctttc taaatgagaa gttggcaaag atttcattat agttcatatg tatgttgatg 360
atagtatttt tgaagctact aatgaat 387

<210> 16169
<211> 393
<212> DNA
<213> Glycine max

<400> 16169

agctttttacc tttcatttta acccttagaa cttctcggcc aacaatgtca tagataaaga 60
aatgttgatg ttcaaaggac acttttaaate cttttttaat caactgacct acacttagca 120
agttttggtc aatgttaggt acataaagaa catctgatat tagtttgata cctgaacacg 180
ttgaaattgc aacaattcct tttcctttta ctggaatata gccaccatto ccaattttga 240
cctttgagat attagttggc ttccactcct tgcctagagc cttttttat gtttttggc 300
tcgtacaacc actaccatc acccaacttt cacttgattc actactcaag atgcctggcg 360
ccacaaacag ttggtcctcc tcgtcttgat tag 393

<210> 16170
<211> 432
<212> DNA
<213> Glycine max

<400> 16170

ctcacgcttc atgcttaact atgtatggca aaacttcatt attgttggtc atgacataca 60
agtgagcttg taacagatct tctacacttg gagtgatcac atgcagtcct tttgaaccct 120
taccaccacac tttgtcatca tgccgagact caggaagccc aacagggtta gccttctcta 180
agtattctga acaaaattca atgggttctt ctgcaatgta cctctcaaca atagatgctt 240
ctggacgata tagattcttt gtataccctt ttaagatctt catgtatcgc tcaatcgggt 300
acatccaccg tagataaaca ggaccacaac atttgatttc tctgaccaga tgcacaatca 360
agtgaatcat gatgtcaaag aaagcagggg gaaaatacat ctccaactga cacattataa 420
ttggggcctc at 432

<210> 16171
<211> 393
<212> DNA
<213> Glycine max

<400> 16171

ttgctttttc cttattcctc aaagaaaagg ccaacgtatt tgcattggaag ccggtggata 60
tgttgagcat agatccaaac tttttctgtc ataagttgat agtaaaccct ttagtgaaac 120
ctgtgtgtca aagaaggagg aaaatgactc tcgaatgcct agaggaaatt gaaaggcaag 180
tgaaggagtt gctaaggaaa ttgaaaggca agtcaaccct tcagcgaaac ctttcatacg 240

acttggtg ccaagatcat cctagttaac aagcataacg gaaaatggag aatgtgcatt 300
aactacttga tctaaacaaa cattgtctga aagactcata tccgcttccc gacatagata 360
aaatggcgga tagatctttc gactactgat att 393

<210> 16172
<211> 476
<212> DNA
<213> Glycine max

<400> 16172

taagctcttt caattgcaca aggtctttaa tatttgtaga gtatccttgt ggaaccttta 60
cccgacgaag aactgacaa aaacttatct tctccttttt ggacaaagta tggcaggctg 120
ggggcaacta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt atgcccata 180
cagcgagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaagaagcg 240
tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata caatgtgtaa 300
cgtcaagatc agaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360
tcttactttt atccttcttt tgggtctttc caaatacaat attcaggtgt tgaacccgct 420
catata 426

<210> 16173
<211> 381
<212> DNA
<213> Glycine max

<400> 16173

ttgtttttta tgcattagcc tgagcaatct ttgaatctca agccaatttg aattgcatgt 60
gaaagttatg aacaaattag gaaaccaat aaccccacaa attgtcattc aatcaaaata 120
tagttgatcc atatctcttt gatttcgaac aaaagttaag ggtagaatga ctcttttccc 180
tttatttgac ccctgatttt gggctctgac ataacattac tgcaatttgt tggattcatc 240
aactcttaat tattttttgt gagtctgat gaaatacaat ctttcggact ccatcatgca 300
atatctgtca tctacaaatt gttgaaaaag tttcctagat ctcaacattg tccttcatct 360
tttctggtat gaatacaaaa a 381

<210> 16174

<211> 389
 <212> DNA
 <213> Glycine max

<400> 16174

agcttttata caattaagac gacaatatct ttttactcgg atgactgatt gagtcccgtc 60
 ctctatgag aggtcgga tgcgctgag atgctctgag ccaattttaa cgtcaatggt 120
 attttactcg gatgittgat tgaagcccg taaatatacga gcgcctcgaa attgaatggt 180
 gatgctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttcagtcctcg 240
 tcacatattg agatgctcga aattgaatgt tgaagctctc ggccacttca aacgacaaca 300
 acattttact cggatgtctg cttgagtcct gtaacatata gagacgctcg aaattgaatg 360
 ttgaagctct cagccaattc aagcgacaa 389

<210> 16175
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 16175

tagtaaaagct aggcactaac agaatttgct caatgcatca acattcaatt tcgagcttct 60
 cgatatatta cgggactcaa tcatacatcc gagtaaaaag ttattgtcgc ttgaattggc 120
 taagagcttc aacattcaat ttcgagcatc tcgatatgtg acgggactga atcagacatc 180
 cgagtaaaaa gtcattgtcg tttgaatttg ctcagagctt caacattcaa tttcgagcgt 240
 ctcgatatgt tacgagactc aatcagacat ccgagtaaaa agatattgtc gtttgaattg 300
 gctcagagct tcaacattca atttcgagca tctcgatata tgacaggact caatcagaca 360
 tccgagtaaa aagttattgt cgtctgaatt ggctcagagc ttcaacattc aatttcgagc 420
 gtctcg 426

<210> 16176
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16176

tgtaaaaagg gaagcaagtt aaaaactcct ttcattttta aaacgttggt tctactacaa 60

aacccttga actacttcac atcgatttat ttggccctc tagaactatg agtttaggtg 120
gaaattacta tggcttagta atagtggatg attactcaag gttcacttgg actttgtttt 180
tgaaaaccaa aaaaagaagc ttttgatgct tttcgcaaac ttgccatggt gattcaaaat 240
gaaaaaggtc tcaacattgt ttcaattaga agtgatcatg gaagtgaatt tcaaaatgat 300
tcttttgaaa acttttgtga agaaaatgga atttaccaca aattntatgc cccaagaaca 360
cctcaataga atgggtgttg ggaaaggaaa aatagatccc ttaaagaagg tgcaagaacc 420
ct 422

<210> 16177
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16177

ttgcttttac caaagagatt ttactctctg gtaatcgatt accagtggca tgttttgttt 60
tcaaaaagct ttcaactaaa tttacaacat tccaatcaat ttcaaatgg tgtaatcgat 120
tacaatatat tggtaatcga ttaccagtga gtttgaacgt tgaaattcaa attcaaatgt 180
gaagagtcac atcctttcac aaaaatgctt tgtgtaatcg cttacaatga tttggtaatt 240
gattaccagt gataagttnt aaacaaaaat caaaagatgt aactcttcca atggttttca 300
agtttttcta aaggttataa ctcttcta at ggtnctctg accagacatg aagagtctat 360
aaaagcaagt ccttaacttg catttt 386

<210> 16178
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16178

tagttcctag cttagccgat aaggttttcc aaaagtgtgc taaggaactt aacatttcta 60
tctgacacaa tggctcctagg aaaaccatgg agtctcaciaa cttcccttaa aaagagtttt 120
aagatgtggg aagcatcatc catcttgtgg catggtataa agtgtgccat cttgctaaac 180
ctatccacca ccacaaagat agagtctaca cctctttggg ttctagaaag cccaaggaca 240

aagtcctac taatgtctac ccaaggtgca gatgggatgg gtaaggggtgt gtatagccca 300
 tgaggcatca ccctagactt ggcttgtaaa caagccacac acctagtgc aagcttatgg 360
 atatctttct tcacacggng ccaataaaac ttgtctctga gtatgacaag ggtcttgtct 420
 atccca 426

<210> 16179
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16179

agcttgtgtt agttgtatgg ccttagccaa ggaaaacaag aacaacccaaa cactttcata 60
 aaagagtaat cagggtgttt gttgaatagt ttctgataag gaacttcatt atttatagca 120
 tatgagggca atctgttgat gaggtaaatg cttgagacaa aggcattggc ccaataatga 180
 aaaggtaact tggcttgaga tagaaaagtg agaccacact ccacaacatg tctgcgcttg 240
 ctttctacta ctccattttg gtgatgagta tgatgacata ttagtttgtg ctgaatacca 300
 tgctctgtca agaattttgt gaaaggctctg aactcccctc cccaatcaaa ctgaatagcc 360
 ttgatagaca tattaaactt atttgaaa 388

<210> 16180
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 16180

ttgcttataa tatatcgata cgctcaaaat taaacatcga aaactctcga gaaattcaaa 60
 tggccgcaac ttttcacacg gatgtccgat tcggctcgat aatatgtcga gaggtcga 120
 attgaacaac ggaagctctt gagaaattta gacggacata actcctcaca cggatcgacg 180
 acccagcaa accacatgaa tagacgtcga caatcgta tgggtgctc ctgagaaatt 240
 caaacgatca taacatctaa catggatggg caatcaaggc tcgtcacata ttgagacact 300
 ggaacttgta ctgcgtgagc tgtggtgcaa ttctagaggc catatctgtt tacaccgcga 360
 gccgactaag acttatcata t 381

<210> 16181
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16181

gaaactcagc tgaatcggac atccgtgtga aaagtatgac cttttaattt ctcaagagct 60
 tccgttggtg aatttcgagc ctctcgacat attatgcgcc cgaatcggac atacgtgtga 120
 aaattcatga tcatttgaat ttctcgagag cttccgatgt ttaatttcga gcgtatcgat 180
 atattacaac cctgaatcgg acctcagtgt gacaagttat gaccatttga atttgacgag 240
 agcttccgct gctcaacnnc caacatcact atacngacg cgcccaaatac ggacattcga 300
 gtgaaatgtt atgaccattt ggatttctca agagattccg ttgtttattt ttgag 355

<210> 16182
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 16182

ttacatccca tgttgatgata aaatctttta tataattagt tatgttgagg ttatgaaatg 60
 atgattcaaa ctgtgagtat gtgataaatt gaacatgtga cggatgatga aatacatgtg 120
 tattgagatg agatgtgtgt attgagttgt gaactataaa ctatgcaatc acacaattgt 180
 aagacccttt aagggcgacg agtattgtga tgggatccac tgtgggaatc cgacgagtta 240
 aaatgatttt gaaaacaatt gagtaaatgt gtgtatttca tagttcatag ataaagtgtg 300
 tatgattcat gaggtgtgat aacatgttaa attgtgatta taccattgacg attaagatta 360
 agtgtatgtg ataaattgag tatgtatatg attgagatat atatgtacat tgaa 414

<210> 16183
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16183

agcttcaaca ttcaattttg agcgtctcga tatatgacga gactacatca tacatccgag 60
 taaaaagtta tagtcgtttg aatttgctca gagcttcaac attcaatttc gagcatctcg 120

ctatattacg ggactcaatc agacatccga gtaaaaagtt tgttgtttga attggctgag 180
 agcctcaaca ttcaatttcg agcgtctcga tatattaagg gactcaatca aacatccgag 240
 naaaaagaaa tgggcgctgg aagttgctca gagcatcgac actgaattgc gagcgtctcg 300
 atatattacg ggactcaatc agacatccga gtaaatagtt attgtcgccg gaatatgctc 360
 agaggttcaa cattcaattt cgag 384

<210> 16184
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16184

ttgaatgcac tattcaatgg agttgacatg aacattttca gactgatcaa cacttgcaca 60
 gtggccaaag atgcatggga gatcctgaaa atcactcatg aagggaacctc caaagtgaag 120
 atttcagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcca atgcctgcac tgccttggga 240
 gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
 ctcatgggtt ctcttcanac ctttgagcta ggactctcgg atagggtga naagaagagc 420
 aag 423

<210> 16185
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 16185

tggatcatagc aaaccacttt gcatgccaaa catgtgttct cagcctcttg gttacatccc 60
 tagaagtgca aaaaccattc tctaggtttt tctttagttc atatctccga tgaacacatc 120
 gaggaagctt cttttggtga ttctcctcca aacctgattt ggcaagggct ttatcaatta 180
 ttcccagttt ctgcctcttt cttctgcacc cttttcttgc aatttggtta tcaaacacaa 240
 ttgtccttct tctcttggtc ttttgagacc tataatcatt gcttactcta ttttctatga 300

tagattgaag actatggagt tcgagagcac gggattcagc atatttctgc aaattgattt 360
 tccaaggtgg tggtggtggt gtatgtactg aaacttg 397

<210> 16186
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16186

ttgcttggtt acctccttct tgactacatc aagaattacc gggttgagtc ttctctgtgg 60
 ctgtcttact ggttttagccc catcctctaa atttatttga tgcatacatg tggatgggct 120
 aataccagga atgtccgcc gggccagcc tataaccttc ttatgcttct tgagaactga 180
 taacagcttc tctcttctgt cattagcaag ggaggaagat ataattactg gaaaactatt 240
 gctatcatcc aagtaagcat attttaaatt tgatggtaga ggctncaatt ctgggtgtggg 300
 cgattagata atggtagaaa gagatgggtt ctcagcctgt acctcataca gaaagtcaga 360
 ggtatgtgta cttcctga 378

<210> 16187
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16187

atgctntgat gcaaattcaa atgacaataa cttttgagtc ggatgttcga ttgtgtctcg 60
 taggatatcg agacgatcaa acgacaataa cttttaattc gaatgtctga ttgagccctt 120
 taatatatcg agacgctcga aattgaaaac agaagctcta tgaaaagtca aatggacaaa 180
 actttcaatt cggatatctg attgagtccc gtaatatatc gagacgctcg taattgaaaa 240
 ctgaagcttt gaggaattc aaacgacaat aacttttgaa tctgatgtgc gattgtgtcc 300
 catacgatat cgagatgctc gttatt 326

<210> 16188
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 16188

tcaacatcag accacttcca ggggtgctgga actacttcac atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcaaagag aaaaggattg tgtcatcaag agaatcagga gtgaccatgg 240
cagagaatth gaaaacagca gggttactga attctgcaca tctgaaggca tcaactcatga 300
gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acaggactct 360
gcaagagggt gctaggggtca tgcttcatgc caaagaactt ccctataatc tctgggctg 419

<210> 16189

<211> 422

<212> DNA

<213> Glycine max

<400> 16189

tgtattcata gaacatttga tattagtatt ttgttattaa aaaatatttt tggcccctaa 60
ttatttccga taaaactatc aattctgcaa caaatggct catgtttgta atgcaagaaa 120
agtgatggat aagatagaag aaaccgtgaa tatttttggc attggaatag acattccacc 180
catttcatct agataaagac aacgtggtct atcataacta gtcccgtca agaaaaaaag 240
cacagcgcca aaaacgcca taaatccatg acatgggatt ctatttcaca acccagcttg 300
gtagaggggtg tttcttcctc caccctataa aaataaaaga gcgtcccttg tatattccca 360
aaaaaactaa tgtaaaatgt aatttacatc taggattact ctttacgaaa tataatagga 420
tg 422

<210> 16190

<211> 412

<212> DNA

<213> Glycine max

<400> 16190

tggaggcatt acctttatgg atctaaattt tagttgttta gtgatgataa gagccttaga 60
tatttgtttg atcaaaaaga gcttaacatg aggcagagga gatggttaga gtcccttaag 120
gattacgatt ttgagcttag ctatcaccca ggtaaagcca atgtagtagt tgatgcctta 180

agtagaaaat cccttcaaat gtctgctttg atggttagag agttggatct cttacagcag 240
 ttttagagaca tgagtttggc atgtgagatt acctctagta gcattaactt gggtagttg 300
 agagtcacca gcgaactctt gagcgagatc cgtgagggtc agaagtctga cccattcttg 360
 tcagctcagt tagagtccat agttgcaggg agaaagagta gtcttagagt gg 412

<210> 16191
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 16191

tctcgatata ttatgcacct gaatcagact tccgtttgaa aagttatgac catttgaatt 60
 tcttgagagc ttccgttggg caattttgag cgtctcgata tattatgcgc ctgaattgaa 120
 cttccgtgtg attagttatg accatttgaa tttctcaaca gctttcgttg ttcaatttcg 180
 agcgtctcgg tatattatgc gtcagaatcg gacttccgtg tgacaagtta tgaccatttg 240
 aatttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gcaccttaat 300
 cagacttccg tgtgaaaagt tatgaccatt tgaatttctc cagagcttcc gctgtttaat 360
 ttcaagcttc tcgatatatt atgcacctga atcagacttc cgtgtgataa gttatgac 418

<210> 16192
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16192

tatagacaac tcaagcttgc tttgaaaact tccattcacc ctaggcctta catagctaca 60
 atggtttagt gagaatggag agctaattgt agatagacaa gttttgatat gcttctccat 120
 tggaaaatat gttgatgaga tactatttga tgtagtccct atggaggcta gccatctctt 180
 acttgaagg ctttggcagt atgataggga tgctgtccac aatgggtgtca caaacaatt 240
 ttcatttgta cataaagggc aaaagggttac ccttaaactt ttgtctccaa gtgaggtttg 300
 tgaggatcaa ataanaatga gagtgaaaag agaacaagag agaaaagaag agaaaaataa 360
 aattgatgaa aagagagaga aacaagaaag gagagataag aaagaaaata gtggaggtaa 420
 aaaaaggagt gaaactgaaa 440

<210> 16193
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16193

tagactctgt ttcatgaaga agaggatcat ctatttgagg gaagagtcgc aagtttgaga 60
 ataggattta agaaactctc acgtgaaaga gaggagaaat ataaagaaaa tacgcgaatg 120
 ttctgaaaga ttcttctatc aagaagagaa tttcaatttc tcaactttcta gaaggaaatt 180
 gaaattccac atttttagtt gtttaaaatt atgttttaaa attccaaaat ttaaattctt 240
 cataacacac catccccaca atggaattta gattatagaa agtgaaattc tctgatcaat 300
 aactgtccac aattaaaatt ctttatccaa aggtactcta aggttactt tacactttcc 360
 tatgtatgtt gaactcacta ggcttggtta ccacactntt agaagttcaa tatttact 418

<210> 16194
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16194

agcaatgncc cttgatatat tngagggact catgttcact atgattgaca aattccttgg 60
 gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
 aagttgaata gttaagggtta ggaccactta actttttcact aaaataagca attggatggc 180
 cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaaag 240
 atttttgaaa gttnggcaac gcaagtatgg aggcattaga tagcttttgn nnaagaacat 300
 tgaaagcttc ttcttggttc tctccccatt tgaaaccagc atttttcttg agcacttcat 360
 tgagaggtgc taccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaa 418

<210> 16195
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 16195

ntatgcttaa gtacgtatgg caaaacttca ttactgttgt tcaagacata caagcgagct 60
tgtaacaaat gttctacact tggagtgatc acatgcagtc ctcttaaacc cttaccaccc 120
actctgtcat catgccgaga ctcaggaagg ccaatagggt tagccttctc taagtattct 180
gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttctggacga 240
tatagattct ttttataccc ttttaagatt ttcatgtatc gttcaaccag gtacatccac 300
catagataaa caggaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc 360
atgatgtcaa agaaagcagg gggaaaatac atctccgact ggcacagtat aattgc 416

<210> 16196

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16196

atctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgtg 60
atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgaggcccggt aatatatcga gacgctcgaa attgaatgtt 180
gaagctctga gccaatcaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240
tcacatatcg agacgctcga aattgaatgt tgaagctctg agcgaattca aacgacaata 300
actttntact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaatg 360
ttgaagctct gagccaattc aaac 384

<210> 16197

<211> 385

<212> DNA

<213> Glycine max

<400> 16197

taaacattca acttcgagcg tctcgatata ttactgtagt ctcaatcaaa catccgagaa 60
aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 120
atatgacagg actcaatcag acatccgagt aaaaagttat tgtcgtttga attagctcag 180
agcttcaaca ttcaatttcg agcgtctcga tatatcacgg gactatatca tacatccgag 240

taaaaagtta ttgtcgtttg aattggctca gagcttaaac attcaactgc gagcgtctcg 300
 atatatgacg agtctcaatc agacatccga gaaaaaagtt attgtcgtat gaattggctc 360
 agaggttcca cattcaattt cgagc 385

<210> 16198
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 16198

tttcatgcat tctataactc ggatgtccga ttcaggcgca taatatatcg agacacttga 60
 tattgaataa cagaagctct cgagaaattc gaatgggtcat aacttttcac acggatgtcc 120
 gattcgggcg cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat 180
 tctaattggtc ataacttttc actcggagga cggattcagg cgcataatat atcgagacgc 240
 tcgaaattga acaacggaag ctcccagat attcaaattg tcataacttt taactcagag 300
 gtccgattca ggcgcataat atatcgagac gctcgaaatt gatcatcgaa agctctctag 360
 aaattcatat gcgcataac 379

<210> 16199
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 16199

gcttgtgcaa atgcaaacgg tattatcttt ttactttgat gttcgatcga gtcacgttat 60
 acatcgaaac gtcgcaatt gaaaacagaa gctctgtgca aattcaaacg acaatacatt 120
 ttaactcgga tgtccgattg agtcccgtaa tatatcaaga cactcgaaat tgagaataaa 180
 agctctgaac aaattccaac gacaataact ttttactcgg atgtccgatt gagtccagta 240
 atatatctag aactcgaaa ttgagaatag aacagctgag caaattttaa cgacaatgac 300
 ctttttactc ggatgtccga tggagccccg agcgtctcga tatattatgc gc 352

<210> 16200
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 16200

aggctgctgt ctttttgaca cgctgggttc tacaggcgat tcatcaaaga tttctcataa 60
gtcgccaaac cactcaacaa tctgttgaac aaggatgttg cattttgtgt ttaatgaaga 120
atgtgtggaa gcatttaatg atctcaagat caaactagta gctgttccag tgcttatagc 180
atttaatgat ctcatgatag tgaggcttgt tttgaagaag acacgttgga gcatgagatg 240
gaattaacag cctcagccat ggtattacag tctcctttgg aagaagaatc caacaatgtg 300
atagaatgcc tagtcagtga aaatgaagga gaagagctag cttgtattga agagctggat 360
ggtccagaag ataagtctgc tggatcatgtg atgtttga 398

<210> 16201

<211> 388

<212> DNA

<213> Glycine max

<400> 16201

ttcttctgct tattagtgc cagctccttc aagaatttag catatcttgg aatttgcttt 60
attgcatcca gcagaggat gtttacctct acttttctaa atgtttccaa tatctcctta 120
tttgctcttt ccattttttt gatggaaatt gctcttggag ggaatggaac agggatatgc 180
tgcttctgta aatcagaatt accagtggaa gattcacctg catagaaatt gttaggtaac 240
ttactcttta catgtttgtc atcagctttt tctggagtag agtaaagttg ggcaggttca 300
tttgcgatg aagaagatgt tgctggttga ggtccttgac acaactctcc tgatctcaat 360
gtaatggcac tcacattttt aggattct 388

<210> 16202

<211> 418

<212> DNA

<213> Glycine max

<400> 16202

ttgagaaagg tgatgtgaac aagcgggttac tggttatatc cttcaagaag accccaattc 60
tgagttcatt tctttgcttt ggttgctttc cattgtcgaa gctcttcaa gcgcgtttga 120
ggattcccca attgaaggta gaccacacaa ctgaacgtgt gttcaagaac ctcggttgc 180
ttgagcagtt tcactatcca gacaagcctt acttttgcaa ctatgtttct ttcattgact 240

ctctgataca cactcagctt gatgtggagt tgctggttga gaaggaagtg attgggcatg 300
aacttgggag tgataaggaa gtggcaactc ttgttaatgg gttatgcaaa catgttgtca 360
caaactcaac ttggtaccat cacattataa ataagctcaa cgaccattac atgaacga 418

<210> 16203
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16203

ggtttgcatc cttcaacatc ttttttgggtg tgatggtgaa agtcgggtaa actttgttat 60
tcggtgatgt attggcattt gatgccactt ataagaagaa taagtatcat ctacctgttg 120
tgggtttttc tgggtgttaat cacaacaatc aaaccatagt ttatgacaca atccttgtaa 180
caaatgcaac cgaagagacg tatgtttggt tattagaaca atttgtgcaa gccatgaata 240
gtaagaaact atcaacaacg attactgatg gtgatattgc aatgagaaat gcataagaaa 300
gatacttttc aaaacatgcc tangttatgt gcttggcact tgatacgtaa tgcanaagcc 360
aatgtaaaca atcctgcatt nttgccaatg ttt 393

<210> 16204
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16204

ttcttatcca aacatatcct ttattaaagt tatttcttct tattctcgta ggaccatgaa 60
tggaggcaag ctataactgc tgctggatct ggatgcgttg cagctttatc acgtgagaga 120
tatcttgtga gcaatgatct tcttatagag ttccatcagg tatttgactt caaagaactc 180
ctattttgtt ttcgcttata gttcttttgg tatataacac tgtagattga gtgtacacat 240
cacattacca atttactgta tctttattat atgtcttaat tcttgatcat ttccacagaa 300
gcagatgcaa ctttagcaag atnngcttgt aaaacttata tctataaatt tataaaactt 360
aataaattta gtgcatctaa t 381

<210> 16205
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 16205

tcaacattca atttcgagcg tcttcatata ttatgggact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt tgctcaaagc ttcaacattc aaattcgagc gtctcgttat 120
 attataggac tcagtcagac atccgagtaa aaagttattg acgtttgaat ttgctcagag 180
 cttcaacatt caatttcgag cgtgtcgcta tattacggga ctatatcaga catccgagta 240
 aaaagttatt gtcggttgaa tttgctcaga gcttcaacat tcaatttcga gcgtctccat 300
 atattacggg actcaatcac acatccgagt aaaaagttat tggcggttaga attgggtcaa 360
 agcttcaaca ttcaaattcg agccgctcgc tatattatac gactc 405

<210> 16206
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16206

tttctttgtt tatatggaag ccctgcaaca aactctagct ctgaaaaatt ggaaataata 60
 ttgtaggaaa catcaagtcc ttcaagtgac ttcaaattct caatcccatg caaagtagtt 120
 agagcattgc tcctcaaaac tagtttaaca atatgacagg aaacctgcaa ggtccaacac 180
 aattgtatat gggctctccag agcaaattccc taaatgaaag gcatacaact aaaacaaaag 240
 atattaactt ttctacaaat aaattgctnt cattgcattt aaggatcctg tcattcaact 300
 ttcaatcctg aaatatcaat tcattctcca tgaatcgagc aagtcagcac agcaagcaaa 360
 taaagacat 369

<210> 16207
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 16207

tgtagggtta aagtctcacg gttgtcacgt tctcgtgcaa caattgtag ctgtggctat 60

acgagacatc ttgccaaaca aagtcagggt agcgatagct cgcctatgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa ataaggccgc 180
 aattatacta tgccagttgg agatgtatct tccccctgct tttttgacat catgattcac 240
 ttgattgtgc atctggtcag agaaatcaaa tgatgtggtc ctgtttatct acggtggatg 300
 taccgggttg agcgatacat gaagatctta aaagggtata caaagaatct atattgtcca 360
 gaagcatcta ttgttgagag gtacattgca aaagaagcca 400

<210> 16208
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 16208

ttcttatgtt gctagcatat agcatatcat caacatataa caccaagaat gagtatttac 60
 tcccactaaa cttgtggtat acacaatcat caactgcatt tgcctcaaaa tcatatgagg 120
 taatgacttg atgaaacttg taataccatt gatgggaagc ttgtttcaaa caatagatga 180
 atttatttag tttgcaaacc atagactttg agtcacctga taaaaagttt tttggttgca 240
 tcatataaat tgtgtcttca atgtcaccat ttagaaacgt agtcttaact acaatctaaa 300
 agttcctata gcctccatcg caaccttttt gccatcgcca acaaatatga atctttcatc 360
 atcacttgac ag 372

<210> 16209
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16209

nttaaagcag cttttagata ctgcttcct catcagacct gtcaagcctt cagccactag 60
 atcaaaaaga aggggtgcca aagggtcccc ttgtctcaac cctctttgag gtttgaattc 120
 agaagttggg ctaccattaa caagaataga tatggaagct aagggtgagac aagcccttat 180
 ccacctaatc catctctcat ggaaccccat tctcctcaac atatagagga gaaaatgcca 240
 agatacagaa ttataagcct tctcaaagtc cactttaaaa accatgcaag acttcttgga 300
 tcttcgagcc tctcaatca cctcattagc caccaaaact ccatggagca attgtctgcc 360

ttttataaaa gttgtctgcc ttccatctat aagataaggc atgac

405

<210> 16210
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16210

tatgctgcaa acatctacaa cagacctcct caacctcagc agcaaaatca gccacaacag 60
aataattatg acctctccag caacaggtac aatcccgggt ggaggaatca tcccaacctt 120
agatggctga atccttcaca atagcagcaa ctttgaaagc caatagttgc ttagtggttaa 180
aaaaaatata gagtgcaca attatttaatt aacactcggc gagtgcataa acaataaagc 240
tgaagtatat agtaactttg ctttgcaaag aaaaaataat gaaaaattaa atgtatatgc 300
caacaatttc tgcaaagttt cacgttagag attntctcat ttctttatga ttnttttcat 360
gtgttacttt gagatagaga ttgcctttta taaaattcag taaatgattc attgtgggat 420
t 421

<210> 16211
<211> 384
<212> DNA
<213> Glycine max

<400> 16211

ttctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tggtgttcct agacaaaacc gaattgatgg tattaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatt tttctcatgc 240
aacaactatg aggaggacca aaaggagaag cgtgccgcca tggagttttc cgactatgct 300
cttgtgtggt ggaacaagct acaaaaggag agagcaagaa atgaagagct ggttgataca 360
tggacggaga tgataaagat catg 384

<210> 16212
<211> 385
<212> DNA

<213> Glycine max

<400> 16212

tcaacattca atatcgagcg tttcgataaa ttactgggac acaatagaac atacgagtaa 60
aaacttattg tcgtttgaat ttgctcagag ctttgggtatt caatttcgag cgtctggata 120
tattacgtgt ctcaatcaga catccgagta aaaagttatt gttgtttgaa gttgctcaaa 180
gcttcaacat tcaatatcga gcgtctcaat atattacggg actcaatcag acattagagt 240
aaaaatttat tatcgtttga acttgcttag agcttcgata atcaatttcg agcgtctcga 300
tatattaccg gactcagtca gtctaccgag taaaaagtta ttgccgtttg aatttgctca 360
gagcttcggt attcaatata gagcg 385

<210> 16213

<211> 377

<212> DNA

<213> Glycine max

<400> 16213

ttcttgtcct acaattgcta gttttttcat tgacagttgc ccaatgggta tcatctgcat 60
tgatagcaaa tctcacatcc ttggccaaac gaagatacat ataccaattt aatataaatg 120
gagaataaat taccgttcta ctctgatcta caaatgctgc tgattccctc acttggccat 180
tagtgatgcc tggcatatat ttgcgctgtt tctgtactgg cacagactct ggagataaag 240
gttccttgat gtcttccgca tagtgtttca atgaatttgg agagtttccc tgttgacaga 300
gagcgatgat aaattaacag ctgacaatga aagctatata gatccgatca aaaagttagt 360
ctcatagata aaatcaa 377

<210> 16214

<211> 405

<212> DNA

<213> Glycine max

<400> 16214

tctttgttcc tatggttcag taaggccaac aatgttcagc gccaggggg cgcgcgagga 60
acaggctctg tgcaacaacc ccaacagcca atgccaatga tgcagcagca ggtctgctct 120
tgcacagagt ttccaatttt tttgtttgtc tctcacgtta ctcatctgca tgcattgctg 180

atggtgagat actttcttat ttgtttgtta gatgcttcca agggggcgtg tctatcgta 240
 ccctcctggc cgcaacatgc aagatgtccc acttcaaggt gtagctgggtg gaatgatgtc 300
 agtcccttat gacatgggtg gtctgccaat ccgcgatgct gtgggacagc caatgcccac 360
 tcaagctttg gccacggctc ttgcaaatgc tccccctgaa cagca 405

<210> 16215
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16215

agctttgtgc taatatgttc tattgacact ctttatttct gaacttcttc tttcacggca 60
 aagtacttca attccatatg cttagcaccg gtagagtact tgtcgttctt agaaaagaat 120
 attgctgcgg agttatcaca atacatttct agcggcctag caatactgtc gacaattcca 180
 agccctgaaa taaagttctg caaccaatta gcctaaattg tagcctcaaa acatgttaca 240
 aattcagctt ccatgggtga tgcagcaaca actgattgtt ttgcactctt ccatgatatt 300
 tctcctccgg ctaagagaaa tacaaagcca agagtggatt ntcttgtatc cacacatcca 360
 gcaaagtctg agtctgaata tccaatca 388

<210> 16216
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 16216

tgtagggtta aagtctcacg attgtcacgt gctcatgcaa caattgttag tcgtggctat 60
 acgagacatc ttgcaaaca aagtcagggt aacgataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180
 aattatactg tgccaattgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctgggtc gagaaatcaa atgttgggt cctgtttatc tacgggtggat 300
 gtacccgggt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360
 agaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt tgct 414

<210> 16217
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 16217

tcaagaaaaa gatggcctct tcaaattcct tãtttccgga aggggaattct atcaatagac 60
 ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
 aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagagt ttcaatagat ggtagtcat caagtgaag cataaccata gaaaaaccta 240
 gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
 taataacatc tgccttagga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactctt cgattagcac atgaaggaac tacagatg 408

<210> 16218
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 16218

ttgtatgcat ttacaatagg agccagtggc atagtccatg tacttctcta actctttctt 60
 gtacaaaaca caagcatggc ctattgtgtt gtaaaccttg tctgccccat ataggttgat 120
 cttaccaacc ctattctcct ttgggggttat gtactttcta atctcctcaa tgatgaaaaa 180
 attgatcaaa tgatcctcct tcaactggga gctcgctcct tcatcaacct tgggaaccgg 240
 aatctgcctt agagcaacat taccactatg aagagggtg actatttgat cctctagaaa 300
 ctcttgtcc aacatggcgc ctatgattgt ctccattact tgaacttttg actc 354

<210> 16219
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16219

agcttctcac tgtcaaagga acccctttgc attttttcac aatttccttt ccgatctcca 60
 ttagatttgg atattccttc tcttgacctt ccttaaagtc ccatctcaca aacagcgata 120

tacaattctc tggagaaagg cctctaaaa cataagaggg aatagtgcc atcattgaag 180
 caatggagtt acttcgcgtt gtcactatga ttntgcttcc cactgcacca acttttatta 240
 aatTTTTcaa gtcaatccat tttgtataat catcattcca tatatcatcc aagaccagta 300
 aaaatttctg aagagaaagc ttgtgtctaa gacgagtttg aagctgctca atatctaagc 360
 tggatgat 367

<210> 16220
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 16220

tgactgttac ttgatgaatg tatgtcagct acatattctt tttcagcctt atattgcaga 60
 acattatcat actgatcaac aaattgcttc agagttgtta gccggcttac atatccatca 120
 aaaaatgcat gcatgctttc attgtgtgga ataatagaca ttccagccca gaactcacct 180
 cttacaaagg aaggagccca gcgatgtctc tcacagaaca actctttcaa ccatttattg 240
 tccttgaggt caaaatcctc cacaatcttc tttcatttct gctcaaattc acttattgga 300
 tgtgtgtcat atacaacatt ctgcaaatga tctcttaagg actcgttaata acatttccat 360
 ggattagttg ggga 374

<210> 16221
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 16221

tataatatat cgagatgctc gaaattaatc atcggtagct cttgagaaaa tcaattggtc 60
 ataatttatc acacggatgt ccgattcggg tgcataatat gtcgagacgc tcgaaattga 120
 acaacggagg ctctcgagaa attcaaatgg ctataacctt tcacacagat gttcgattca 180
 ggagcatcac atatagagac gtacgaacaa cggatgcact cgagaaatac aaatgggtcat 240
 aacttttcac accgagttcc cattcacgct catactatat tgatacgttt gaaattaaac 300
 atcggaagct caacgagaaa ttcaaatggc cataactctt cacacggatg tccgattatg 360
 gagaatcaca tatcaagatg ctcaaaattg accaacgaag ctct 404

<210> 16222
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16222

atcttgtgca ttcaatatcc tgatgagggt gttccatattg ttctcaagac tagactaata 60
 catttgttgc ccaagtttca tgggtcttgc ggtgaagatc ctcataagca tcttaaggag 120
 ttccatattg tttgttccac catgaagccc cttgatgtcc aggaagatca tatctttcta 180
 aaggcttttc ctcatctct agagggagtg aaaaaagatt ggttgtacta ccttgctccc 240
 agatccatct ccaactggga tgaccttaag agagtgttct tggagaaatt cttccttgca 300
 tctaagacca ctgccatcaa aaaagacatt tcangaaact taatggagag agcttgtatg 360
 agtactggg 369

<210> 16223
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 16223

ttgaatggac accacttcat tttggtcttc tttgtatact tcaccaaagtg ggttgaagtg 60
 ggtgcgtagc ccagtgtgac taggagtgtg gtgggttaggt taatcaagaa agagataatc 120
 tgctgggtatg ggttaccag gaagattatc attgataatg ccaccaatct gaataataaa 180
 atgatgaaag aaatgtgtga ggatttcatg atccaacatc acaattctac tccttatggg 240
 cccaagatga atagggtagt tgaggctgct aacaagaaca tcaagaaatt agttagaaga 300
 ttaccgggtc atacaaggat tgacacaaga tgctcccttt tgcactacat g 351

<210> 16224
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 16224

ttcttctcgg tacatcacgg gcctcaatcg tacacccatg tcaaaagtta tggccctctg 60
 aattggacca tagcttcctt gttagggttc gagcgtctcg atatattgtg tctgaatcgg 120

acatccgagt gaaaagttat gacaatttta atttctcgag aacttccatt attcaatgcc 180
 gagcgtctct atatatcatg ggcgccaatc atacactcat gtcaaaagta atggccgtct 240
 gaatttctcc agaacttcca ttattcaatc tccagcgtct ctgtatatat tgctactgaa 300
 tctgacattc gactgaaaag ttatgac 327

<210> 16225
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 16225

aagagaaatt caacgccaaag tcccaatttt gaaaccatat atattgtcat ataacataat 60
 cactttatta gaagcgcata agacaacata ctcacatggc ccctgtattt gtgagctcat 120
 aggaaatcaa gcaagggcta ccaagaatcc ttgttgctca acataattga cgaaagtcgg 180
 acaaggaaat gtggcattaa atgggtcaaa tcaaccccaa taaaaattt cattactcta 240
 agcacattgc aaacaaaagc aatccttaat tacaatccag ggcagatggt atttctataa 300
 caaaa 305

<210> 16226
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16226

caatgcccg catcagagat gcagtantca ccaccatctg tctgccaag ggtgaactca 60
 tcacatgcgt gccttgataa aatttctata actgtaaagc caatgagggt ctctttcttg 120
 ccagtaatag tcttcacaaa ctcttctca gggttcttag ccaacacatc atattcagga 180
 gaccctttct caagcataaa tctcctgcaa ataattggcc tattcaggat taaacctcca 240
 tatggatact gtccaaggta acagcaacat gaagagttga agcaatccat ataagggtag 300
 cggatgcttc aaccaactct tcccaggttt gcactgttg ccacca 346

<210> 16227
 <211> 391
 <212> DNA

<213> Glycine max

<400> 16227

tcaagataaa tggcctcagc aaattcctta tttctataat gaaattctat caatagacct 60
ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaatt ttttattgaa 120
gcaatagact taagtatttg ggaagccaca taaatagggc catatatacc taccatagta 180
gaaagaatta caatagatgg tagcacatca agtgaaagca taacaatata aaaatctaga 240
catagatggg ctgaagagga tagaagatga gttcaatata atctaaaagc caaatacata 300
ataacatctg ccctgagaat ggatgaatat ttcacgggtt ccaattgcaa caatgctaaa 360
gagatgtggg acactctaca attaacacat g 391

<210> 16228

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16228

ttcttgcaca caagattctc cttgcctggc acctcnaaac cttcaggttg ggtcatattg 60
atgtcttcct ctaaattcccc atgcaagaat gcagttttta catctaacta ctccaagtga 120
agattctctg cagctacaat actcagaata actctgatgg tagtcatctt tacaactgga 180
gagaagattt ctgtgaaatc aattccttgt ttctgtgtgaa accttttcac cacaagtctc 240
tccttgtatc ttcttctatc gtcggatttt tcctttaacc tatagactca cctattctgt 300
aacgctgtct ttcttctat aaatttagtt aaagaccacg tcttattctt ttgaaggggt 360
gtcatct 367

<210> 16229

<211> 388

<212> DNA

<213> Glycine max

<400> 16229

gtgcataccc caaggatcca ttaggatttt acttgtgaaa gagagccatg aggggtgggct 60
catgggccac tttgggatag acaagaccct tgtcttactc aaagaaaagt tttattggcc 120
ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttgtt tacaagccaa 180

gtctaggggtg atgcctcatg ggctatacac acccttacct atcccagctg caccttgggt 240
agacattagt atggactttg tccttgggct tcctagaacc caaagagggtg tagactctat 300
ctttgtgggtg gtggataggt ttagcatgat ggcacacttt ataccatgcc acaagatgga 360
tgatgcgttc cacatctcaa aactcttt 388

<210> 16230
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16230

ctttcactcg catgtccgat tcaagcgcat agcgtatcga gacgctagaa atctaacaaa 60
ggaagctctc gagaaattca aatggtcata acttttcact cgcattgtccg attcaggcgc 120
ataacatatc gagacgcttg aaattgaaca actgattttc tcgagaaatt caaatgggtca 180
taacttttaa ctcgcatgtc cgattcaagc gcataacata tcgagacgct cgaaattgaa 240
caacggatgt tctcgagaaa ttcaaattgt cataactttt cactctcatg tgcgattcag 300
gcgaataact tatcgagacg ctcganattg aacaacggaa gctctcgaga tattcaaa 358

<210> 16231
<211> 374
<212> DNA
<213> Glycine max
<400> 16231

tttttattgc tgcttaaagc atgtgtgata tacaaaatct gaagatccta atgagtgggtg 60
aatttgatat gaaagatcta ggggctgcaa agaaaatctt aggaatggag atctataggg 120
atagaactca gaaaaggcta tttttgtctc aaaaggatta cattcagaag atacttgtga 180
ggtttggaat ggctaactct aaacctatca gcactcccct ttcagaaaaa gagaagttgt 240
ctgttatgat aaagattcaa gctcaggctg atcaggatta tatgtcaaag gtttcatact 300
caagtgttgt tggcagtctc atgtatgcca tgggtctgcac aagacctgac cttgcttatg 360
ctgttagcat ggct 374

<210> 16232

<211> 377
 <212> DNA
 <213> Glycine max

<400> 16232

ttcttgtagg gttaaagtct cacttattgt cacgtgctca tgcaacaatt gttatccgtg 60
 gctatacgag acatcttgcc aaacaaagtc aagttcacga taactcgccct gtgcttttttc 120
 ttccatgcta tatgtagcaa agtgattgat ccagtaaatgt ttgatgagct ggaaaatgaa 180
 gccgcaatta tattgtgtca gttggagatg tattctcccc ctgcttttctt tgacatcatg 240
 attcacttga ttgtgcatct agtcagagaa atcaaagtgt gtggtcctgt ttatctacag 300
 tggatgtacc cggttgagcg atacatgaag atcttaaaag ggtatgcaaa gaatctatat 360
 catccgaaag catctat 377

<210> 16233
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 16233

tgcattgtctt caacatctga ccacttccag ggtgctggaa ctacttcaca tggatttgat 60
 ggggcctatg caagttgaaa gccttgaggg aaagaggtat gcctatgttg ttgtggatga 120
 tttctccaga tttacctggg taaactttat cagagagaaa tcagaaacct ttgaagtatt 180
 caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcattcaaga gaatcacgag 240
 tgaccatggc agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300
 cactcatgag ttctctgcag ccattacacc acaacagaat gggatagttg agaggaaaaa 360
 caggaccttg c 371

<210> 16234
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 16234

taaacattca atttcgaggc tctcgatata ttacggtact taatcaagca tccaagaaaa 60
 aatttattgt cgtttgaatt tgctcagaga ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180
 cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240
 aaaagctatt gtcggttgaa tttgctcaga gattcaacat tgaatttcga gggctctgat 300
 atcttacggg actcaatcag acatccgagt gaataggat tggcgtttga attggctcag 360

<210> 16235
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16235

tatgctgcaa acatttaca tatatttcct caaccttaac agcaaaacca acctcagcaa 60
 aacaattatc acctctccag caatagatac aaccttgat ggaggaatca ccctaattctc 120
 agatgggtcta gccctcaaca gcaacaacag tagcctgctc cttccttcca aaatgctgct 180
 ggccaagca gaccatacat tctccacca atccaacaac aacaacagcc ccaaaaacaa 240
 ccaacagttg agaccctcc acaaccttcc ctgaagaac ttgtgaggca aatgactatg 300
 ccgaacatgc agtttctgca aaagaccaga gcctccattc aaagcttaac caatcagatg 360
 ggacaattgg ctaccaatt gaatcaacaa cag 393

<210> 16236
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16236

tcttagtttc agatgatgca gatgggttgg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcacta aactgctggg agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatt gtctccaagg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctcca gtactcatac aggctctctc 300
 cattgagttg cctaatacct gagatatact tctgatggc tgtggctcct gaagcagggg 360
 aaattmnttt caagaatact ctcttaaggt catcccagct cgtgat 406

<210> 16237
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 16237

tgaatcagac ctcagtgtga aaagttatga ccattttaat tttacgagag cttacgttgt 60
 tcaatttcta gcatctcgac atattatgcg cccgaatcgg acatccgtgt gaaatgttat 120
 gaccatttga atttctcgag agctatcgat gtttaatttc gagcgtatcg atttattgta 180
 agcctgaacc ggacatccga gtgaaaattt atgaccattt gaatttcacg agagcttccg 240
 ttgatcaatt tcgagtgtca ctatatggga tgcgccccag ttagacattc gagttaaatg 300
 ttatgaccat ttgaatttct caagagcttc cgttgttcaa ttctgagcgt ctcgttatgt 360
 gatttgcttt gatcgtaaac tccggtgaaa agttatga 398

<210> 16238
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 16238

caccatacag acctttggcc ttccaatgca caacctggag caattgaaca gcccgaaact 60
 tatgctgcaa acattttacaa tatacctcct caacctcagc agcaaaatca accaccatag 120
 aacaattatg acctctccag caacagatac aacctggat ggaagaatca ccctaattctc 180
 agatggtcta accctcagca acaacaacaa cagcctggct cttccttaca aaagggtgttg 240
 gcccaagcag accatacatt cctccaccaa tccaacaaca gcaata 286

<210> 16239
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 16239

tcatttctgg tccataggaa gacaaactat atcctgtagt ttaaggacac tttcaacttt 60
 ttacttgta tgttcatacc acatttaact cataatatca ttaacattca acaggaatca 120
 ctgagaactt tgaagcattg ttcctttcct aatgtatctc tggaaggcct aatatctgac 180
 caatggaaag atatgggatg gcaaagacct aatccatcga atgactttaa gtacacaaat 240

atgttcttat gagagctcac gtgacatttt ggtcactttt cctatgtgaa agaatttgct 300
tattaaatgt tatgaaaaca gtgtcatttt agtgctgcta acggttatgg tagcgtatac 360
aattcactaa ttttaatttat gggatataat taaaccaa 400

<210> 16240
<211> 359
<212> DNA
<213> Glycine max

<400> 16240

agcttgtagg gttaaagtct cagcattgtc acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca gggtcacgat aactcgctg tgctttttct 120
tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg 180
ccgcaattat attgtgtcag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaagtgtg tggtcctggt tatctacggt 300
ggatgtaccc gggtgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatat 359

<210> 16241
<211> 375
<212> DNA
<213> Glycine max

<400> 16241

atcttgcaga cctaacatta tctatgtatg ataagcaaaa cacatctcaa cacatgataa 60
taataactag cactatatta ttcttttaat tatagctcaa attcaaattg ttgtgatttt 120
gtatttgaag atactctcca caaaatatat taaatcgcat atataaataa tgggtgttgac 180
aagaactact aatacgtccc atgacccccc cccttatcta cttattccat attgacacat 240
atgcataatt aatattaagc tataaactta taaaaaacia atttttatgt tggcaaaaaa 300
atgtcaatat taacaattat ctatcactag acaataaata aattcgacta acaaaattta 360
aatatttaaa taaaa 375

<210> 16242
<211> 375
<212> DNA
<213> Glycine max

<400> 16242

ttcttgtaat ctttcacaca tatactgtaa tcgattacca gagtagattt tcagaaaata 60
ttctcaacag tcacatcttt ttatgtgatt cttgaatggc tatcaaaggc ctatatatat 120
gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaaagtct taccctctta 180
taaagcaaaa ttgtttttatc ctcttataaa ttccttggcc aaattacttg tgattcaata 240
aggaatTTTT gagtgcTcaa attgatcaat ctatctcttt caagagagat ttcttctttt 300
cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttggtgt gaaagaattc 360
taaagacaac ggaag 375

<210> 16243

<211> 353

<212> DNA

<213> Glycine max

<400> 16243

ttttcatgca ttcttgctag ccaagatgtg ctgtagcctt cggattgagc ttgaacttgg 60
gcctgaatca gtccctgacc ctgagttctc cttctccttc tctcttttca aggcaaggat 120
tagccgattt ggcagatata gataccgata ctgaaagcgg gaacgattgg cgacaattct 180
ccgcccaggt ctccataccc aaatgtcacc cttttccggc caattttccg gcgcatatgg 240
aaatccctcg ccggacattc cctgtgccac tggctgtaaa ttcaataata cattattctc 300
ctccatgctc atcttccatc tccatctcca tctcgaacgc tacttatcta gct 353

<210> 16244

<211> 375

<212> DNA

<213> Glycine max

<400> 16244

tgacccttac gagatagatg ggacgatttt tatattaact tggagaaacc ttccatgaat 60
ctctggtaat atcctgctag gccccaaaaa ctgctaaatt caaaaacaga cttaagactc 120
tcgcactcga gaatgacttc tatcttagag gagatacagc tataccctt gagatatcac 180
atgccctagg aagctaactt tctctaacca aagctcacac tcggacaact tagcatagat 240
tattcattcg tatgggtatg cagcacaac ctaaagagct cttcatgttc ctcttttagcc 300

ctggaatata ccacaatatg ttctatgaat actaccacaa aactaacgag gtaagggtga 360
aagactctat acatg 375

<210> 16245
<211> 361
<212> DNA
<213> Glycine max
<400> 16245

ttcttgctta tctcttcagg gagctcaaca cagtactgca tatgttcctt caacttggac 60
ctacagcaag caataaaaaac aaagtatata actatatatt ctctaaaaca acaaaaatca 120
caacaaatcc agcatcatca agttcacata tcacaaattc aatacccaaa ttctttgttc 180
aggctgttcg cgcccgagc cgtggccttc ccgccaccgt atttcgccac aaaatcatcc 240
ttcgcacgct ccagaaaagc cacaggcacc tgtctcccaa tcgattcatc cgcaacaaca 300
caataagcta aaaaaaagtg agtcagacat tcatttccaa aaacataacg ctgaacttca 360
a 361

<210> 16246
<211> 373
<212> DNA
<213> Glycine max
<400> 16246

ttcttcattc ttagaatgaa gttagtagag atacatatat cgtgaataat catctataaa 60
aggttatgaag tatttcggac tatttgcac catgtctgga caacatatgt ctgtatgtat 120
gatttctaataaattagaac tctcttttgc acccttttta gacttggttag tttgcttacc 180
cttaatgcaa tctacacaag tctcaaaatc agcgaaatcc aaagtactaa gtactccttc 240
atttactaat cgcttgattc tttcaataga gatatgtcct aatctccggt gccacaacat 300
agaggattct tcattcaciaa tacatcgttt ttaaccaaac agaaacatgc atagaagtag 360
catcattttt gaa 373

<210> 16247
<211> 378
<212> DNA
<213> Glycine max

<400> 16247

ttttttatca tgttcacgac aaaggactaa agaagaaatc tccgtcttat gaccactaca 60
aatcaagtcc tccttgcta acacatgatc aagccttgag cacaacaggc acggaatttg 120
caatttgag taaccagcaa actttgctat aacataagaa aaaacggcat cgataaacag 180
gaaaaagatc agcaaccatt cgagaaaagc cgatgccaag gccgtggtta caccggggga 240
gagcttacgc cactcagaag atgaaattcc agtggttagc atcatccaac caactcaatt 300
agcttcgaaa ggagaaaccg attgctgaaa gttgaaacag atcaaactat gaccttcttc 360
ccaaaatgat atgaataa 378

<210> 16248

<211> 382

<212> DNA

<213> Glycine max

<400> 16248

agcttatcag attaacattt tttttcaaaa tgcaacaatg agaaaagaaa gcacaaagag 60
gaaattcaca gaaccaaag agattaacat caattcacat tttgtttcta aagaatataa 120
gagaaaacac ccgattcact caggcagagg aaaacctctc aaaggtgcat aattctcatg 180
caggcaattg ttccatcaca attccaatca ctgatatgtc ataaatcaat ttttgcaagt 240
catttcccat caaatcaaag ataaattgca taatcatcat ggatcattag ggcttttagg 300
atttggaacta gctttgaaag aaatattggg ttttctggat attcaaaaat accttgagaa 360
taggaaagca acataaaaac aa 382

<210> 16249

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16249

gacctatgat actcagcttc aatgtccttc ttgatcaaag cttcgaagca aatgtttttt 60
atatcgacat tnttttcata aagtctatat atttacttta actataaaat atatcacaca 120
tattaccaat gttttgttga ggaagctcat tgattatgcc aatgggttcat ctttaaccagg 180

tctctgattt tggattggct aagttgacca atgatactaa tacacatgtc tctactcgtg 240
 tcatgggaac attcgggtaa tttcgccacc ccatgggtta atacctacgt agaaactata 300
 aagaaattga taaaaatggg aattaatagt ttaaatttgc atgtctaaac aggtatcttg 360
 cccagaata ctcatcaagt ggaacattga cagagaaatc tgacgttttc tcattt 416

<210> 16250
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16250

tttgcattag acattttgcc ctacatagt tctttcgacg ggaaggggtg cggagggagc 60
 ctcaactact ttgttagttt catggggcct gttcgctgtt tgttggattt ggtggagcga 120
 atgtantggt ctactctggg ccatgtagca ttttgaagg aaggagtaag ttgctgttgt 180
 tgttgatggc tagaccatct gagattatgg tgattcctcc atctgggatt gtatctattg 240
 ctggagaggt cataattgct atgctatg 268

<210> 16251
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16251

ttcttgcaag atggaagcaa agaaatctat caatgggggg tagaataacc ctcatthaatt 60
 cagtcttaac agccttacct atctatttgc tgccttctt caagatacct aaacatgtgg 120
 tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca 180
 agatcccttg gggaggcgcc atttgcacat gaatcactct tgaggcaaaa atcaaggatc 240
 aaatgggtca nggaaggtga cagtaacaca tgcttctttc ataaatccat aaattttaga 300
 agacattata atgcaattca aggaatattc attgaaagta tatgggttca gcaacaaaaa 360
 ttggtta 367

<210> 16252
 <211> 402
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16252

tacataatat gtctgaagtt tagtacatat gctttttctt taatttcang atcctaagat 60
gttgagtttt taattaaacc atgtgtggca ggaaatgaat gttctgagag attggcatac 120
tatgggatga gtacaaacct ggtgaactat cttcgggagc gtttcaacca gggaaatgca 180
accgctgcaa ataatgtcac aacctggcca ggaacatgct acatcacacc attgattgga 240
gcctttctag ctgattcata cttgggaaga tactggacaa tttccagttt ctcaattgtc 300
tatgttattg taagtttaga gatttttttt ttcttggttg ttgagtcacc atgttatgct 360
aaaggcattt agtcttcact cttctgacct cagtttatat tt 402

<210> 16253

<211> 356

<212> DNA

<213> Glycine max

<400> 16253

tgcttaataa ggctatacgc tggaccctgg ctgacattcc tggatttagc ccatccacat 60
gtatgcatca gataaattta taggatgggg ctaaaccagc aagacaacca cagagaagac 120
tcaaccgggt gattcttgat gaagtgaaga aggaggtaac caagcttttg caagctggaa 180
tcatttatcc tatctccgac agccaatggg tgagtcccg tccaggtagtc tcgaagaaaa 240
ccggcctcac cgtcataaaa aatgagaagg aggagctgat tcctactcgg gtgcagaaca 300
gttgagagat ctgcatctac tataggaggc taaaccaagt taccaaaaag gaccac 356

<210> 16254

<211> 376

<212> DNA

<213> Glycine max

<400> 16254

ttgatcaatg ttctggattg tctaactagt gaaaatgaga aagatctaag ggctttcttg 60
taagacttag atcgtgaaga aaccattcct gcagggggaa ccaactttga agaattgaaa 120
agcgggagtc aatccgagaa gaccaagggt gagttgaaga tcctacccaa ccacctgaag 180
tatgtgttct tggaggagaa cgagaccaag cccgtggtga tcagcaatta gctaacagta 240

gaggaagata acaggttggg agaggtcctc aagagacaca gggagggaat taggtggcac 300
 atatcagatc taaaaggaat tagccttgtc tactgtatgc acaagataat gatggaagaa 360
 gactatagac ctgtca 376

<210> 16255
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16255

ttctttttcg tctttaagaa gttcaaagct acagtggaga aaaaaagtgg ttgágaatc 60
 aaagatatga ggactgacca aggaggagaa ttcacttcca aagagttttg agagtctctgt 120
 gaagagaatg gaatcagatg tcccctgatg gttccaagat ccccccaata gaatgggtgtg 180
 acggaaagaa aaaatagaat aatccttgat atgggtcaaa gcatgctcaa aagcaagaaa 240
 ttgccaaaag aattttgggc agaagctgtg gcatggccgt ttatctattc aatcgatcac 300
 cgacaagaag tgtatgggga aagacaccac aagaagtatg gagtgggaga aagtctggta 360
 tctctcactt gagggtc 377

<210> 16256
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 16256

atcttggcat tttgatgctg cactgtcta tggggagggc gttttcaaca tcagatcaaa 60
 ggtttacatg tcaccaaacc tgtggtatct cagagtcaat gtaatagaag ctcaagatgt 120
 gataccgggt gacagatacc gcctaccgga ggtttttggt aaagctcaag tgagctgcca 180
 agtgctgaca accaagatat gcccagcag aacaaccacc ccattctgga acgaagattt 240
 gatctttgta gcctgtgagc catttgagga gcaattaaca atcactgtgg aggatcgtgt 300
 gcacccttca aaagatgagg tactggggaa gataagccta ccaatgaccc tctttgagaa 360
 gcgattagac cat 373

<210> 16257
 <211> 357

<212> DNA
<213> Glycine max

<400> 16257

ttcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttggt gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaggttta ctgaattctg cacatctgaa ggcattcactc 300
atgagttctc tgcagccatt acaccacaac aaaatgacat agttgaaagg aaaaaca 357

<210> 16258
<211> 378
<212> DNA
<213> Glycine max

<400> 16258

agcttgaaga ttagactata cgaggtatct tccttgggta tagcaatatc tctaagggtc 60
actgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatggt gaagttgatg 120
agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt atacccgctc 180
aactacctca agaagaagct gaggaagaag acccagggtga accaccttca cctgcaccac 240
aacaacaaga tcaagaacta tcattcaccag agtctactcc aagatgagta agatcttttg 300
tggacatata tgaaacctgt aacttagcca tacttgaacc tggaagcttt gaagaagcgt 360
caaagcagga catatggg 378

<210> 16259
<211> 354
<212> DNA
<213> Glycine max

<400> 16259

ttcttagacg accttgtttg agtcgagaat actttattat ttatttggac aagtttgaat 60
atgatgtaga agaaaatgaa tgtgagcctt tttccctttt gaaagactta aaaaaaagt 120
tttaaaaata cttttaatta agatttgaat ttttttctct tattagtata tatgtgaggg 180
gtagagagtg tcacaagata ttaggagctt ccatgggtta gcaagcttct ataaaaggtt 240

cgttcctaatt ttctctacaa ttgcatcacc tctcaatgag ctggtgaaga aagatgtggc 300
 atttacctgg ggtgaaaaac aagagcaagc ctttgctttg ttcataaaaa agct 354

<210> 16260
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 16260

ttcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaactt atctattcct tcttggacaa agtatggcag 120
 gctgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag ccatacctcg tcttgccttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat ggataacatc aatacaatgt 300
 ctaacgtcaa gatcacacta gtatggaaga tcaacgaaaa tggacctctt cttccatatg 360
 caactctg 368

<210> 16261
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16261

acttaattaa caaaatctaa tccggaaata tatcttatgn ncttgtttgt ttaaagaaag 60
 tgataaatca gcttcaaata aaacaacctg caattgagtg ctctcgacca gtacgacaac 120
 gtcttggata tggatgttca ctgcacccaa gaattggtct tttgagatca atgctgaaat 180
 caggatctcc aagatcattg taaacatcat aatcatagat tctttcataa ctcttacggt 240
 ctcttctctc atttctctc aatagcatta gctccacttc tctaagtctt ctcaaccac 300
 atggtggttg tgatggcaaa taagactggt tcagaataag ttaactcgat ttaaaaaaaa 360
 aaagcctata 370

<210> 16262
 <211> 429
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16262

tgccacggtc cgagcattgt gatgagtggg taacataccc aggcgcaacc ccttcgaaaa 60
cctatcgacg atgacaaaga tacacgtgtt gcccttgtaa gagggtaatc ccacgataaa 120
gtccatggat aaataatccc atggttgtac tggatcgga agaggactca acagcccatc 180
tggttttctg ttatcgtatt tggtagattg gcacgttaag catcctgcta tgaaggcacg 240
ggatcagct ctaacggaat cccacgtaaa gttttcttgt aagcgatgaa gcgttttctg 300
aatcccatg tgaccacctg tcggagattg gtggaatgct tctagtaaca acttagtgaa 360
ggaggaattt gagggaatcc anatacggcc tctgtgtaag atcanataag cagttaacgt 420
gtactctgg 429

<210> 16263

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16263

gtctatgtgg ataaaagagc ttaanaactg agatgttaga aaaggttggt tatccattat 60
aaatgtctta atcattttct caaagatgat aagtctcca tcccgaaagc ttcttcactc 120
ccaaccttga tcagaaaatc aaacttattt tcaaagtttg atttaaaatt agggtttttg 180
caacttggct tacaactaga agatcagtat aaaactgaag atcagtatta aacagtcttt 240
tgtgttccga atgctcagta ccaatggaca gtccttcctt ttggtttaaa agtatcacc 300
tttctcttcc acaaagccat gactaagatt tttagcctat tttggacaac atcattgnnt 360
acatagatga tatecttttc tgttcaaaag acattgtctc tcataaaaac tta 413

<210> 16264

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16264

ctcagcttga ccattccctt gcctctttgt tggtttgcta ttangtactc angcacatca 60

cgtangtgcg gaggtggtgg attcttgctc aaaactttgt catgcttcag tagatctgtt 120
 caaatacaat ttcaatcctt taaatttaac ttcaaacata agttttaaaa aaaataaaaa 180
 acaataaatg ccaattgtat attttaacga taacatcaac ctattacatt acctaggtct 240
 tttggattag ttttgaagtg ggctttcaac ctaaaataaa agcacaagtt tgcagaaatg 300
 aa 302

<210> 16265
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16265

cttcaactc agcttggtaa caatatcctt tanataagaa aaatgtttat aatatcttat 60
 caatactaat taatgaactt aaaggcgaaa tacggaagat aaaaaattac aatgttcata 120
 ttttttatga tttatgcatt taatattttt tttcttttaa tttcttaact aatatctaaa 180
 agcgctaatt aacaagaacc ataaaagtaa accaatgagt aactaacaat cccgttataa 240
 aaaaaaagggt tatcatcatg tcttttttgg actaatcata tcatcctatg atttcatttg 300
 acaaataata aagttaaaaa tgaatcgaaa ttaaaataca taggaccgaa taggagttat 360
 gagttaatat atttaattaa gacacatatt tgtaacaan attgatacag cttgaatg 418

<210> 16266
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16266

tcttagtctc aactgatgaa gatgtaattc gggctactct atgcactcct ctaatgacaa 60
 tagcatcatt tttggcäcta aattgctagg agtttgaagc catcttctca attaaatttc 120
 tggcttcaat aggggtcatg tctccaaggg ctccaccact ggcagcatca atcatacttc 180
 tctccatggt actgagtcct tcataaaaaat attggagaag aagctgctca gaaatctgggt 240
 ggtgagggca actgacacat agtnttttaa atctctccca atattcatat aggctctctc 300
 cactgagttg cctaattgct gaaatattcct ttctaattgg cgtgggtccta gaagcagggg 360

aatttttttc tgagaataact ctctt

385

<210> 16267

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16267

tgtagcaatt cttctaggct tggagtcata acatgcaatc ctctagaacc cttacctccc 60

actctttcgt tataccgaga ctcggaacc ccaataagtt ttgcctttnt aatgtactcc 120

gaacaaaact taatagcttt ttttgccacg taccttttaa caatagatgc ttcaggatag 180

tgtaaattct ttgcataccc ttttatgatc ttcatgtatt gctcaaccga atacttgcac 240

tggaaataaa caaaaccaca acatttaatt tcccaccca gatgaacaat taatagaacc 300

atgatgctga aaaacaaagg aggaaaatac atctccaatg gacataagat aataacaacc 360

tcattttcta cctcatctaa cttgacagga tcaatgcact tgctacatat 410

<210> 16268

<211> 371

<212> DNA

<213> Glycine max

<400> 16268

ctaataaatt gggctctaatt tgcccatcag acatggcaag ttaagccaaa ttttaatttac 60

tttacctcac ggcatacagc aatttgcttg caattccttt tcttctgtta gagggagcaa 120

cccaaattggc cctaattgcc caagcagcga tggttggttt gctatcacag aagattgcac 180

cttccatcct ttcaaaatca ctcaaggaag caactttttt ttcaacctcc ctttggaana 240

taacattccc aaaccgaaaa gtggtagaac gcgtcctcac tccccttttc ttcacgctat 300

caggagagcc agacacaact ttgaatgcct tttcaatggg ttctgcaacg aggcaactcca 360

caaccctgtg a 371

<210> 16269

<211> 398

<212> DNA

<213> Glycine max

<400> 16269

tgtttgtcgt cttcaacgtt ctctctacgg gcttaaaciaa gccagccgac aatggtttac 60
caactatca agtttcttag tctcccatgg gttccaaciaa tctaactcgg accactctct 120
tttcttaaag ctactaagt cagccactac tatactcttg gtgtacgtcg atgatatcat 180
actcacaggg aacagtatgc tggaaatata agatatcacc accctcttgg attaaacatt 240
caaaataaaa gatcttggtg acttgaaggt ctttttgtga ctcgagattg cccgtaccaa 300
tcatggaatc catttatggc aacgaaaata tgccttagac attttgtctg attcagatat 360
gctaggatgc aagccacact cgacacccat ggattatt 398

<210> 16270

<211> 444

<212> DNA

<213> Glycine max

<400> 16270

actatcaata ctacgcttaa cattcaattt cgaggctctc gatataattac tgtacttaat 60
caagcatcca agaaaaaatt tattgtcgtt tgaatttgct cagagattca acattcaatt 120
tcgagcgtct cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt 180
ttgaattggc tccgagcttc aacattcaat ttcgagcgtc tcgatatggt acgagactca 240
atcagacatc cgagtaaaaa gctattgtcg tttgaatttg ctacagagatt caacattgaa 300
tttcgagggg ctcgatatct tacgggactc aatcagacat ccgagtgaat agttattgtc 360
gtttgaattg gctcagagct tcaacattca atttcgaggg tctcgatata ttacgggact 420
caatcagaca tccgagtaaa aatt 444

<210> 16271

<211> 402

<212> DNA

<213> Glycine max

<400> 16271

gagagcttcc gtgttcaatt tcgagtgcct gtatatgat gcgcctgaat cggacatccg 60
agtgaaggt tatgaccatt tgaatttctc gagagcttcc tatgtttaat tttgagcgtc 120
tcgatataatt atacgcctga atcgaacctc agtgtaaaaa gttatgacca tttgaatttc 180

tttagagcat cggttgttca ttttcgagcg tctctatatg tgatgcacct taatcggacc 240
 tccgtgtgaa aagttatgac catttgaatt tctcgagagc ttccggtgtt caatttcgag 300
 cgtctcgaca tattatgcgc ccgaatcgga catccatggg aaaagctatg actatttgaa 360
 tttctcgaga gcttcgtag ttcaatttcg agcgtctgga ca 402

<210> 16272

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16272

nttgagcaat tcanatgggc ataacttttc actcgtaggt ccgattcatg cgcataatat 60
 atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaattg tcataacttt 120
 ttactcagat gtcctattca ggcaaataat atatcgagac gctcaaaatt gaacaacaga 180
 agctcttgag aaattcaaatt ggtcataact tttaactcgg aggtctgatt gaggcgcatt 240
 atatatcaag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 300
 cttttcactc ggagggtcta ttaaggcgca taatatatcg agatgctcga aattgagcaa 360
 tggaagctct tgagcaataa caatgggtcat aacttntata ctcgagggtc gatngaggcg 420
 cataatgtat c 431

<210> 16273

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16273

tgctggcctc aaacttgcta ataatatgct gccacactta ccgacattta gagcttacct 60
 ctaaaggaat accaaggtaa gaaaaaggaa attccagttg gctgcaattg agagaagaag 120
 ctgcctccct acaccagccc acagatttac ccaaaccacc aaattggctc ttattatagg 180
 ttatctttta accagaaacc aattcaaagc ttttcaggat acacttttaa actttaacat 240
 tatcattagt ggcagtccca aagaacaagg tgtcatcagc atattgaagt atattaactt 300
 cctcttttnt ctttccactc tggcagctat tgaagagatt cttttctact gctgatctca 360

tcaacccagt aatgccttcc accactatat taaatagcaa aggtgcaagg tggtcacctt 420
gccttaagcc tctc 434

<210> 16274
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16274

gtactctagc ttaaagattg gctaagattt tgttaaaaca taagcactta nacaatgaag 60
gaaagctgga gttgctgcac atgatgtcca acgttatgtc aaagaataag atcgggctgc 120
acaatgcaca aagcaagata aagtgtcaaa tgaagaattg aagctgcagg attcacgatg 180
tcggatataa tgtccaggac atcctgcctg aaaatactgg aattgctaaa agcattgaag 240
ctgcaggatc cacgatgtcg gatacaatgt ccaggacatc ctgcccgaag atactggagt 300
tgctaaaagc atttgaagtt gcagatccac gatgtcggat acgatgtcca ggacatcttg 360
cccgaaaata ctggacatat aaatctgtta tatctttaac agattattgt gcagtttagca 420
agagattaga tgatctatct t 441

<210> 16275
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16275

tctgttctga attcgagcat ctcatatact actggaaaca atcggacatc cgagtaaaaa 60
ggtttgttgt ttgaattttc taagagggtta tgatttcaat tntgagcgtc tcgatatatt 120
acgagactca atcaggcatc cgagtaaaaa gttattgtcg ttagattttt cttagagctt 180
ctatttccga ttatgagcgt ctcgatatat tacgagattc attcggacat ccgagtaaaa 240
agttattgtc gtttgatttt gctcanagct tctgttatga atttcgagtg tctcgatata 300
ctacgggaca caatcggaca tccgagtaaa aaggtattga catttgaatt tgctcatagc 360
attcgttgtc aattacgagc gtctagatat attaaaggat tcattcggac atccgagtaa 420
a 421

<210> 16276
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16276

ntaataactat tcaatgttac accatcatat agactatata acgattggtg gcgggtgtgt 60
 cggcaacgat aaccgtgata atagcgggtga caataataat aacgatggtg gtggcgatga 120
 tgggtattgat ggtggtgata atggtggcaa tggcgatagc ggcgacaatg aaggcaacaa 180
 caatgacggt ggtggtggcg gcgacgatgg tggcgacaat ggtaggagtg acaacgccag 240
 tgatggtggt gtgatggctg tcatggtgga gaagcgatga tgggtggggaa gatggtgatg 300
 atggtggtgg cgatgatgac agtgatagtg atgggggttg tgagggcaac tatectattc 360
 tgttgctctc taaccaattc accccc 386

<210> 16277
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16277

ttctggtggg acatcttcac ttgctttcca atctgacatt caccacagat tctgccttct 60
 tctattttca aattgagaat gcctctaaca gcacctttgt caatgattat cttcatgcct 120
 cttaagtgca gatgtccaaa tctttgatgc catattctga cttcatcttc tttggaggat 180
 agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacagtt gtcctttggt 240
 ctgctgccct tcattagaac ttcactcttc tcatttgtca ccaagcattc tgactttgtg 300
 aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt 360
 cccttcacca gcagtactnt gtccagacta agaagtccat catgggct 408

<210> 16278
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 16278

tcaagaaaaa gatggcctca gcaaattcct tatttccaga agggaattct atcaatagac 60
 ctccaatctt taatggagag ggttaccact actggaaaac cogaatgcaa atttttatcg 120
 aggcaataga tctaaatata tgggaagcca taaaaatagg gccttatata cccaccacag 180
 tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240
 gagataaatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
 taataacata tgccttagga atggatgaat atttcagggg ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagat 407

<210> 16279
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16279
 tccatcactt ttcacacaga ggtcagattc gggctcataa tatgtcgaga tgctcggaat 60
 tgaaccacgg aagctctcga gtaattcaaa tggtcataac ttttcacaca gatgtccgat 120
 tcgggcgcgt aatatgtcga gtagctcgaa attgaacaac ggaagctgtc gagaaattca 180
 aatggtcata atttttcaca cggaggtcag attcgggcac ataatatgtt gagatgctcg 240
 gaattgaacc acgaaagctc tcgagaaatt caaatggcca taacttttca cacggttgtc 300
 cgattcacgc gtatgacata tacagacgct cgaaattgaa catcgaaagc tcttgagaaa 360
 atcagatggg cataactttt cacacggatg ttcgagtaag gtgcatcaca ta 412

<210> 16280
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 16280
 agcttccatt ttcaatttgg agcgtctcga tatattacgg gtgtcaactg gacatccgtg 60
 tataaagtta ttgtcgtttc aatttgctca gagcttcggt tctaaatttt gagcgtctct 120
 aaatattacg ggactcaata agacatctga gtaaaaagtt attgtatgtt gaatttgcta 180
 cgagcttccg ttttcaactt ggagcgtctc gatataaac gggactcaat cggacatccg 240
 cgtataaagt tattgtcgat tgaatttgct accagcttca gtattcaatt tggagagtct 300

cgatatatattt cgggactcaa ccagacatcc gagtaaaaag ttatt

345

<210> 16281

<211> 395

<212> DNA

<213> Glycine max

<400> 16281

tgtagcaata tcaaacgaaa ataactttat acacggatgt ccgaatgagt ctcgtaatat 60

atcgatacgc tccaaattga aaacataagc ccgtagacaa ttcaaaggac aataactttt 120

tactcggatg tccgatagag tctcgttaata taatgggacc tccaaattga aaatggaagc 180

tcctatcaaa ttcaaacgac aataactttt tgctcggatg tacgattgag tcccgtacta 240

tattgagatg ctcgaaattg acgacacaag ctctgaacaa ttttgaacga caataaatat 300

attctcggat gttctattga gtcccgtaat atatcgtgct acttccaatt gtaaatggaa 360

gctcgttaga aattcatacg acaataactt tatac 395

<210> 16282

<211> 429

<212> DNA

<213> Glycine max

<400> 16282

gacactatag acaactccac gcttaggatt caacattaat taccgtgctt ctttcccact 60

tgttgaatta tatgcgactt tatctagatg aaaacgatcg aattctactc cctgcgggat 120

attggattat atctgggcca ccaatcccgt ggaagaatca ttggaaagga tgggaaacaa 180

caccggagga tttgaatgat gagcagacca aaattgagaa tgtagccaaa agcctgtgct 240

ggaacaagct actggagaag gacgatatag ccatttggca gaaagccaag aaccatttgg 300

attgcaaagc caaccgtaag ctctctcaca atctgcctct ctgcaaggca cacagtaacc 360

ctgacacggc ctggtatgtg cttcatattc cattgtccct tgtatttcat tcacgaaata 420

tttccatct 429

<210> 16283

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16283

tctacagaag gtttgttcct aatttctcta caattgcctt acctctcaat gagctggtga 60
agaagaatgt ggcatttact tggggtgaaa gacaagagca agcctttttt ttctcaaaga 120
aaagctcatc aaggcacttg ttctagctct tcctcacttt tctaaaactt ttgagctaga 180
atttgatgcc tctggagtgg gagttggagc tatattgtta caaggcgggc accctattgc 240
ttattttagt gaaaaacttc atgggtgccc cctcagctac cccacctatg ataaagagct 300
ntatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360
cattcatagt gatcatgaat cacttaagta cattagatga cata 404

<210> 16284
<211> 384
<212> DNA
<213> Glycine max

<400> 16284

agcttatcaa catcaaactt ggagaaagag ttcttggggg caagacatga gaagcaatca 60
agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct 180
cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
acacacaaaa tccttggaca tcggcaaaaa aattattcca gccactctct ctcatgtgct 300
ccaaccgagc tttgacaaca tcaactaatt ctctttgcaa tatatttgaa agctcgtttg 360
tttcctatga cctggatcac gcac 384

<210> 16285
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16285

acactatana caactcatgc ttaagccttg aattgagtgc cattaccgtg ttgattttta 60
agggagacca tatctgtaga tgaggtgttt ccagggtgaac ttttctacct ccctaactga 120
aatatcttgt aatggccttg cctcagtcca cttagtgaag tagtcgatgg tgaccaataa 180

gaacttgacc actcctatgg cttttggcaa tgggttcaat atgtccatgc cccatatggc 240
gataggccaa gtggaactca agctatgggtg gttgttggga ggggtgcgtg gaacatctgt 300
gaattcttac ctctctgtga agtagaaggt ggcagccaat aatatccgat acacaact 360
ttggttgcta gggaacgacc tccgatatgg aggccacata ttctttcatg ttagtatcgc 420
atgacatagt c 431

<210> 16286
<211> 403
<212> DNA
<213> Glycine max

<400> 16286

tgaagacaaa ctggatgcgt tggtaactt ggtaaccag ctggccttga atcagaaatc 60
tgtacctgtc gcaagggttt gtggtttgtg ctctctgtct gaccaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
caatagacct cctcaacctc agcagcaaaa tcaaccacag tagagcaatt atgacctttc 240
cagcaacaga tacaacctg gatggaggaa tcaccctaac ctcatatggt ccagccctca 300
gcaacaacaa cagcagcctg ctcttcctt ccaaatgct gctggcccaa gcagaccata 360
cattcctcca ccaatccaac aacagcagca acctcagaaa cag 403

<210> 16287
<211> 382
<212> DNA
<213> Glycine max

<400> 16287

agcttcaact ttcaatatcg agcgtttcca tatattacgg gactgaatca gacatccgag 60
taaaaagtta ttgtcgtttt aatttgctta gagcttcggg attgcatttc gagcgtctcg 120
atatattacg ggattcaatc agacatcaga gtaaatagtt attatcgttt taacttgctt 180
agagcttcca taatcaattt cgagcgtctc gatatattac gggactcagt cagacaaccg 240
agtaaaaagt tattgtcgct tgaatttgct cagagcttcg gtattcaatt tcgagcgtct 300
cgacatatta cgggactcaa ttagacatcc gagtaaaaag ttattgtcgt ttgagtgttc 360
tcagagcttc ggtattcaat tt 382

<210> 16288
<211> 369
<212> DNA
<213> Glycine max

<400> 16288

tgctttgagc aaattcaaac gacaataact tttgactcgg atgtccgatt gtgtcccgtg 60
gtatatcgag acgctcgtaa ttgaaaacgg aagctctaag caaattcaaa cgacaataac 120
ttttgactcg ggtgtccgat tgtgtcctgt agtatatcga gacgctcgaa attgaaaact 180
gaagctctga gaaaaatcaa acgacgataa ctttttactc ggatgtccga ttgaatcccg 240
taatatatcg agacgctcgt aattgaaaat agaagctctg agcaaattca aacgacaata 300
acttttgact cggatgtccg attgtgtcct gtaatatatc gagacactcg taattggaac 360
agaagctct 369

<210> 16289
<211> 414
<212> DNA
<213> Glycine max

<400> 16289

tctgttttca atttcgagcg tctcgatatt ttacggtgct ctatccgaca tccgagttaa 60
aagttattgt cgtttgattt ttctaatagc ttttcttttc aattacgagc gtctcgatat 120
actacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat ttgctcaaag 180
cttttgttgt caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta 240
aaaatttatt gtcgttggat ttttctcaga gcttcagttt tcaattacga gcgtctcgat 300
atactacggg acacaatcgg acacccgaga taaaagttat tgttcgattga atttgctcag 360
agattctgtt ttcaattacg agcgtcttta gatattacgg gactcaatcg gaca 414

<210> 16290
<211> 419
<212> DNA
<213> Glycine max

<400> 16290

tatcaataca tttgaagagg ccatccacca cttcattatc actgtcaatg tttggattgg 60

tgtaaaagaa ctttggattc agataataac ccgctgcatg caaaggggtgg tgaagttggc 120
 aatcccatct tttatcaatg attgcaagga tatccttata cttcccttca ttgttattga 180
 aagctctttg aattgcttct ttggccctat ccattgcttc ataaatgaaa ccattgttag 240
 gttttttttc attatccacc aacctcaaca cacttacaag aggcccccata gccttttaaag 300
 cataaacaac atcattccaa aatgatggca taagaacaac atctgttgct tgcttccctt 360
 tgggctcttt agctgcctta gacttcaacc attcatctga attaaacatc cttctaaga 419

<210> 16291
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 16291

tgcttatagt tattggaggg agaataaaac aatccaaaat caattgtacc cttcaagtaa 60
 caaagaattc tttttgcggc ttttagatga ggagaggttag gagcctccgt aaagcgacac 120
 acaactccca ccgcatatag aatatcaggc cttgtattgg ttagatatct taaactcccc 180
 acaagactct tgaagaccgt ggagtctacc ttctctcctt catcaaactt tgataacttc 240
 atgccacctt ccatatgtgt ttacacggga ttacaatcaa gcatattaaa tttcttcaac 300
 acttcttttg tgtagcttcc ttgtgagaca aagataccat tctacgtttg cttcacttcc 360
 attcccaagt aatatgacat g 381

<210> 16292
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 16292

agcttgttta ccccatgttg aatttgctta caatagagct gttcatagca ccaacaattg 60
 ttctcctttt gaagttgttt atggttttaa ccactaact cctcttatct tttgcctatg 120
 cctaattgtt atgtttttta gcataaagaa ggtcaagcaa aaggcggact atgtgaagaa 180
 gcttcatgag agagtcaaag atcaaattga gagaaaaaat aaaagctatg ctaaacaagc 240
 caacaaaggg agaaagaagg ttgtcttcga acccagagat tgggtttggg tgcacatgag 300
 aaaagaaagg tttcgaaaca aaggaaatca aagcttcaac caaggggaga tggaccattt 360

caagtgccttg aaagaatcaa tgacaatg 388

<210> 16293
<211> 383
<212> DNA
<213> Glycine max

<400> 16293

agcatctcgt gccaatcctt gtatgacacg gtcattcttt ggataatcct ttttatattc 60
ttattggccg cttccacggc tccattcatc tttggccggt agggcgtgga attgtgatgc 120
tgggttttaa actcctcgca catttcgcc atcatcttat tattccggtt ggtgccgttg 180
tccgtgataa tcttccttgg caaacatat cgacagatga tctctttctt aatgaacctg 240
accaccacat tcctcgtgac attggtatat gaagccgcct cgaccactt ggtgaaataa 300
tctatcacta cgaggatgaa gcatgacca ttcgaggcct tgggctcgat ggccccgatg 360
acatctattc cccacatgga gaa 383

<210> 16294
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16294

ntgcacgtat cgggtcaagt tatggaccac gttgtatcca aggtgctcat cgataatggt 60
tccagtttaa acgtgatgcc caagagcact ttggagaaat taccattcaa tgcttccac 120
ctaaagccaa gttccatggt ggttcgtgcc ttcgaaggca cccggcgaga ggttaaggga 180
gagatcgacc tccctgtaca gatagaccct cacacctgtc aagttacctt ccaaataatg 240
gatattaacc ccccttacag ctgcctgttg gggcgcccggt ggatccactc ggtgggagtt 300
gttccctcta cactccacca aaagttgaaa ttcgtagtgg aagggcactt ggtcatcgta 360
tcaggcgagg aagacatctt ggtaagctgc ccactctcta tgccttatgt gg 412

<210> 16295
<211> 384
<212> DNA
<213> Glycine max

<400> 16295

agctttaagt gtgattccctt tctttttctt gtcattctcc tcatgctgat tcaatcttat 60
tagttccatt tcatgttcct gtaactttcc aaacaaagtt gcaagagaca tgtttgaaag 120
atcccttgat tctgtaatag ccattacctt tgattgtcat tccctgctta aacatctcaa 180
aactttatta ataagatcct tattgggaaa tatctttcct aatgatgcaa gatgatttac 240
tatgtgtgtg aatctctttt gcatgtcctg tatagtttca ttaggattca tccatacaa 300
ttcatattca tgagttaggt atttattcta gaccttttta catttgtagt tccctcatgg 360
gttacttgta agttattcca cata 384

<210> 16296
<211> 425
<212> DNA
<213> Glycine max

<400> 16296
tgcaccaact tctcatttca tccataagat actagttcat attttaattt aatgttcagt 60
aacaagacta aacatcataa taagaccaa gatataaaa ttttttattt gatacttacc 120
tgtatatact aaaaggaaaa ctgctgaaat tagtaattat tgattatttt tgcaacatat 180
aggaaagaag acgttatgtg tgctttttta gtgatacgat gttatgtgtt taacagacta 240
ataatatagt ttacgtatt gaaacatcaa attataaata ttttgtataa aaattaatgg 300
tatatagttg ttggatgtat ttattcagaa aaaaaggtta ttgggtgtat ttctttttat 360
tggccctccc tgtcttctaa gttaagttt gtcctgcaa catgtcattg accaattcta 420
tgttt 425

<210> 16297
<211> 415
<212> DNA
<213> Glycine max

<400> 16297
gtgagaaata cttgctcgat atggccgacg tattactggc cctgtcaca taccacgctc 60
tagggcatgc catgaacctt gccatagatt ctcatgacta actgagctac accaccggcg 120
gagcgttgct gtggaagtga tcccagatga gaacctttcg caagcgggtca accaccacca 180
acataactga gtgaccgtga tacgaaggaa gaccaacact actgtctaga gagaaatcct 240

gccatggtta cgccgaaatc ggaaggggag acaggaggcc tggggcacga ctgagaactg 300
 acttagttgg ctgactggtg gcagagctcg tgaccaatag atggatgcct cgatgcatag 360
 atggccagac aaaattctct cgagtacggg ctaacgtcgt cattactccc atatg 415

<210> 16298
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 16298

tgacaaaagg cctacctcat gtggtatgcg tccaatgaag ttgtttaaac cgaagctaac 60
 gcgagataag gaagaaaggt ttccaatcca agttgggatt gttcctgtaa gattgttaag 120
 acctgcagct agcactctta gatttgtgca gtggctgaga ttacttggaa aactgccacc 180
 aaagttgttt atgctgaagt ttaggtattg aaggtatagt aaacgaccaa cctcttgagg 240
 aaattcacca tggaagctat tgtttaaaca gttgactgtg gtgaggaatg tgaggtttcc 300
 tatgaagggg gtaagagtgc ctctagtct cagttgctca aggctaagggt gtgtgactct 360
 tccattggag atgttgcatg tgattcctat ccaatcgag tgattgatg 409

<210> 16299
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 16299

tagaatacct gctgcccaatt cagttcccaa gtctaattac aatttcattt ccattaaatc 60
 tgtattgtct tgtaataaag aagtcattga tatttggcat ttccgtttgg gtcacacctc 120
 atatgatagg atgcaagtgt tgaaacaaac ttatcctatg ttgacttgtg ataaaacctt 180
 tgtttgtgat acttgccata aagcaaaaca gagaaaactt ccatttccca atagtgactc 240
 ctatgcttct agtcctttct ctttgataca tgtagatatt tggggtcctt gtaccacaac 300
 tactttgaat ggacataagt attttcttac aattatggat gatcatacta cgattgtttg 360
 gagttttata atgacttcaa aagctcagac tcaaactcat ttacaagcct ttgtttccta 420
 tg 422

<210> 16300
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 16300

tgtagcaaat gcaaacggcg ataacgtttt atctctttgt tcgattgagt cacgtaatac 60
 atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttctgacgac aatacatttt 120
 aactcggatg tccgattgag tcccgtata tatcatgaca ctcgaaattg agaataaaag 180
 ctctgaacaa attcaaacga caataacttt gtactcggat gtccgattga gtccaccaat 240
 atgtctagac actctta 257

<210> 16301
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16301

tgcttggtat gaaaagttaa gttctttttt aactgaaaat agttttatat gaaggaaagt 60
 agatactact ttgtttcaca aagattatgg aaccctaaac cctaatacat tagatatata 120
 tggatgatat catattcggg tgtactattg actctctgag aaaggatttt tccaagttaa 180
 tgcaggccga gatcgaaatg agtgtgatgg gagaattgaa gtttttcctt ggacttcaaa 240
 tcaaacaagc agacgaaggc atatgcatac atcatacaaa gtacgtgaag gaactcttga 300
 aaaaatttta gatggacgat gcaatatata tgaaaactct catacatccg accactatac 360
 ttagactaga tgatgat 377

<210> 16302
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 16302

cttctgggtg gacatcttga cttgctttcc aatctgacat tcaccactta ttctgccttc 60
 ttctattttc agattgggaa tgccctaac agcacctttg tcaatgattt tcttcatgcc 120
 tcttaagtgc agatgtccaa atctttgatg ccatattttg acttcatctt ctttggagaa 180
 tagacatgtg gaggagtaac tgggttcttg aggggtccat aggtaacagt tgctccttga 240

tctgctgccc ttcattaaga cttcactctt ctcatttgtc accaagcatt ctgactttgt 300
gaagcttaca ttgaatcctt catcacacaa ctgactgatg ctgatcaagc tcgcagacag 360
tcccttcacc agcagtactt tggttcagact aagaagtccc tcatggacta tcttt 415

<210> 16303
<211> 381
<212> DNA
<213> Glycine max

<400> 16303

agcttgtaat cgattaacgt aattgtgtaa tcgattacca gacataaaaa attcaaattt 60
caagtctaaa gagtcacaaa tcttcagaaa ctaactgtgt aatcgattac cacttttatg 120
taattgatta ccagtaagga atttttgaaa ataacttcca agagtcacaa ctgttcaaga 180
aatttgttat gaccatctaa ggcctataaa taggtgattt gggatacaaa atttttttaga 240
gtgtttctga acaaaattgt cttatcctct caaaaccaaa ttgtcttatt actctcaaaa 300
tattccttgg ccaaacactt gcaaattcaa taaggaatct tgagggagct tcacattgta 360
atataccttct cttaaagaga g 381

<210> 16304
<211> 422
<212> DNA
<213> Glycine max

<400> 16304

tgtcccaatt gagccagttt attcctcttg ttgatgcacc ttttgatccc caccaaaata 60
aattcagcat catttaaatc tcatacctta gtgtggttgg aagcaagtgg atactcatgc 120
aatatgaagg gatttcctaa ttagaagttc cttattacta gctttggaaa gatactttct 180
cgagtagtga ttgatgcatt ccaaatttg atccttttaga caactgaaaa tttctttatt 240
tcatttgcct atgatagaag ggaggcctaa gtatttttcta gaccctatga ttgtagaggc 300
acccaaaaga aacatgattg tttgctcaa atattgttga gtgttggtgc tgaaaaaatt 360
ttatgacttg tctaaattaa tcatttggtc aaaagccctt ccataggtat ctaggaattg 420
ag 422

<210> 16305
<211> 420
<212> DNA
<213> Glycine max

<400> 16305

tttgttttca attacgagcg tcctgatata ttacggtatc ttttcggaca tccgagtcaa 60
aagtgattgt cgttagaatt tgctcagagc ttctgtcttc aattacgagc gtctccatgt 120
attacgggac tcaatcggac atccgagtaa aaagatattg tcgtttgatt cttctcagag 180
cttcaatttt caattacgag agtctcgata tactacggga cacaatcggga catccgagtc 240
agaagttatt gtcgtttgaa ttggctcaga gcttctgttt tcaattacga gcattctgat 300
ttaatacggg acacaatcgg acatccgagt caaaagtat tgcccgttgg atttgctcag 360
agcttctgtt ttcaattacg agcgtctcga tatattaccg gactcaatcg gacatccgag 420

<210> 16306
<211> 374
<212> DNA
<213> Glycine max

<400> 16306

agcttgccctg aaactatatg agatcccttt gtcgttgccct tccaacgagg gtgaagctta 60
aggagaaccc aatctcctat ctggtagttc acttcacgac gtttcccatc agcttggctt 120
ttcatagcag cttgttcctt agaagcttat ttcgaatagc ttggaaagtg ttatccctat 180
cagttaacat ctcttcaacg gcctcaatgt tcgaagaccg tgtaatatat tcaggaaagt 240
taaagggttt tcggccaaag gtgacaccat acggattggc tccagttccc gcattccatg 300
aagtattatg ggaccattcg acccacggga ggagcttccc ccccatgctt ggccgacgat 360
ggatgaaggc tcgc 374

<210> 16307
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16307

tctaaactnt atacaagaac gaagctctga taccatttgt tagacaagtg gcctcagata 60

tcttaattag ggggggtcga attaagatat tgcaaactat ttccccaatt aaaaatctat 120
 ttcaatttca atgcaagtta caagttccct taaaatgaac tcttaaataa tgattcaaatt 180
 agaacaatct gaatataaat gtaaagcaat aataaataaa agagtttaag ggaagagaaa 240
 gtgcaaactc atattttatac tggttcgacc acacccttgt gcctacgtcc agtccccaag 300
 caaccgctt gagagtttca ctatcttgta aaatcccttt acaagttctg agcacacaag 360
 gacaatcctt cctttgtgtt catatttttt tacaacaaga gaccctcggt ctctcaatcc 420
 ct 422

<210> 16308
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 16308

tgcttccatt ttcaattaca agcgactcga gatattacgg gactcaatcg gacattcgag 60
 taaaaagtca ttgttatttg aatatgttca cagctactgt attcaatttt gagcgtcatg 120
 atatattttg ggactcaatc ggacatccgt gctaaaagtt attgtcgatt gcatttgcta 180
 cgaggcttcg ttttcaatta cgagcgtctc gagatattac gaaactcaat ccaacctccg 240
 agctaaaagt tattgccgat ggcatttgct acaagcttgc gttatcaatt acgagcgcct 300
 ctatatatta cgggacttaa tccgacctcc gagataaaag ttattgtcat ttgaaattgc 360
 ta 362

<210> 16309
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16309

tccatcagga agggtcgtcc ctgtgtggtt cagactttgt aaaaggagtt ttacaaagag 60
 agtggaataa ttcaagtggg ttgcttgagg actggacgta gacacgggaa gtggccgaac 120
 cagtataaat caagtttgca ttccttcttt ccttaaactt cttttattta ttgctattta 180
 tcttttgctt taaagaagtt tattttgaat tgtcttttga gtaattcatg ttaagggtgc 240
 attgttaatc caaaaagaga gagtgaaggt ttaattgggg aatagtcttt gtattttaat 300

tcaaccccc accccttctt aagataactg aggccatttg tccaacatcc tattcttgat 360
aactcacttc tctctaanaa gacaaacttt ccggaatgat aaaatg 406

<210> 16310
<211> 417
<212> DNA
<213> Glycine max

<400> 16310

ctataaggaa catgctggag aggaattgaa gttggtgtgc ttccagaagt gatgccacgc 60
caactgaata ggccactatg tgatttcata tctagttaaa cacctcacat aaggatctaa 120
gcatcagttc actacttcag tctgcccac tattagagga caataagcag tgctaattctt 180
caagaggggta cctgggtctct ggaacacttc cttgcaccag agactcatga aaagactgtc 240
gatgccagat actactgatg caagataacc atgcacactc accacttctt taatgaataa 300
ctcagctact cctcagttg tataagggtg actccatgac aaaaaatgag ctcacttagt 360
cagcctatcc actaccactg atatagtagc cttccctaga gctactggta agccttc 417

<210> 16311
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16311

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gccaagtagt taggcacta ttttagttta gttctagtta aacacctcaa ataaggttct 120
aagcatcagt tcactacttc agtctgcccc tctatttgag gacaataggc agtgctcacc 180
ttcaattggg ttcttgggtc cttgaacaat tccttccaaa agagactcat gaaaagtctg 240
tctctgtcag atactattga tgcaggaaaa ccacgcagtc tcaccacttc tttaatgaat 300
aactcagcta cttccttagt tgtataaggg tgacttaatg ccaaaaaatg agcttactta 360
gtcagcctat ccactaccac taatatagtg tccttcctt gagcttttgg taagcctoca 420
atga 424

<210> 16312

<211> 383
<212> DNA
<213> Glycine max

<400> 16312

agcttggtcc atttgggtcca ttgctgagaa gttatgggtga tacaattgca actgcaaaaa 60
caatcggaca atattgggaa gaagatctat cctgcatgag ttggcttgat caacaacctc 120
atggttctgt ctigtatggt gcctttggta gtttcaactca ttttgaccaa aaccaattca 180
atgaactagc tcttggactt gacctcacca atagaccttt tctttggggt gtgcatcaag 240
acaataagag ggtataccct aatgaattct tggcgtgtaa aggtaagatt gtgagttggg 300
ctcctcaaca aaaggtgcta agccacctg ctatagcatg ttttgtcacc cattgtgggt 360
ggggacatgc tacgtgcacc cag 383

<210> 16313
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16313

ntgcagtaga tgccactcta ctctaaattt ttgaaagata tgtaacaag gaagcacaaa 60
tatattcatc aggaaaacat catagtggaa ggaaattgca gtgttgatg cagaaaaatc 120
cttcaccca agcataaaga tcctgggagt gtaacaattc cttgttcaat tggagaagtc 180
aatgtgggaa aagctcttat tgacctagga gccaacatca atttgatgcc actctccatg 240
tgttgaagat tgggagagtt ggaaataatg cccactcgaa tgactttaca attagctgac 300
cgctccatta ccaggccata tagagtaatt gaagatgttt tggtcagagt aaaatatttt 360
atcttcccag cagactttgt ggtaatggat atctctgaag atactgacat ccctgtaata 420
tt 422

<210> 16314
<211> 377
<212> DNA
<213> Glycine max

<400> 16314

agctttgagc aaattcaaac gacaataaca tattactcgg atgtccgatt gtgtcccgtg 60

gtatatcgag acactcaaaa ttcagaatag aaggctcgag taaaatgaaa cgacaataac 120
 tttttactcg gatgtccgat tgagtctcgt aatatatcga gatgctcgaa attgaaaacg 180
 aaagctcgta gcaaattgcaa accacaataa cttttaactt ggatgtccga ttgtgtcccg 240
 taatatatcg agatgctcca aattgaaaac agaagctctg accaaaatct aacgacaata 300
 acattttact cggatgtcca aatgaatccc gtaatatatc gagatgctcg taattgaaaa 360
 cggaagctct gagcaaa 377

<210> 16315
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 16315
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 cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttcc tcagagcatc 120
 agttttcaat ttcgagtgtc tccatatatt acaggactca atcagacatc cgagttaaaa 180
 gttattgtcg tttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240
 taagggacac aatcgctccat ccgagaaaaa agtgaatgtc gtttgaattt gcacagagct 300
 tctgatttca atttcgagcg tgtcaatata ctacgggact cgatcggaca tccgaggtta 360
 gagttattat ggtttgaatt ttctaggacc tactattatc aat 403

<210> 16316
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 16316
 agcttgagac catatactaa cacactttga caatcatccg ctactaccac attgtaacct 60
 tcgtcatcac ttgggtcaga ccgcatatgg tcatcagttt cactcccatt atcatactca 120
 gaccgcacat atgccatgtc aatagttctt ctctctgctt cttgccatgc tagtaacct 180
 gcaggatcaa ccttcggaga ttgacgtctg atggtgaagt aatcagagga taacagagat 240
 ccatcatcac aatttttctc agtcatgtta cccttttcgc aggagacttt gtccatggat 300
 acagattgtg aacttttcag tatcatgtta actactctgg cgacactaac acatatatct 360

ttatgtaaga gagccttgat catatga

387

<210> 16317
<211> 389
<212> DNA
<213> Glycine max

<400> 16317

agcttattca ttgatgaaca atgaaacctt gttttattga actaattgct ttccacatca 60
tctcagggtg ccgagattct caaagatcgt ccatcatggt attgtgactg tcgatgcctc 120
aatgtattga gtgtagtctc aacaggggaat gggggcacia tagagcttat gtacatgcag 180
gtctactgat tattttatac aaaagaaaag ttgaactata gtttaaatta tcttttaatt 240
attcctatgt tgttttcttg atattcaaat ttgatttttt ttctaaacat atgcaccaac 300
aacattggca gctgcaagag acttctggac tttgagatac gctactagtt tggaagatgg 360
aagtcttatg gtattgagtg gaatcttga 389

<210> 16318
<211> 386
<212> DNA
<213> Glycine max

<400> 16318

agcttgctca tatagggttc cttgtttaag agttggtaca tagatagcgg atgctctaaa 60
catatgacgg gagatgcac aaagttcact cttatctctc ccaagaaaag tggacatgtg 120
acttatggcg acaacaataa aggtagaatt cttggagttg gaaaaaatatg taaaaactca 180
tctttcttca ttgagaatat tctacttggg aaaggtctta agcacaattt gctaactgtc 240
agtcaattat gtgataaagg ctatctaata tcatatgatt ctcataaatg tgtaattgaa 300
aatgagcatg ataggaatat aaagcataca ggtgatagaa caaataatgt gtacgtgata 360
gatttaagtc aaaaacaata ccatga 386

<210> 16319
<211> 353
<212> DNA
<213> Glycine max

<400> 16319

agcttctcga tatattatgc acatgaatcg gacctccgag tgacaagtta tggccatttg 60
aatttttcga gagcttacgc tgctcaattt cgagcgtctc gatttattat actcctgaat 120
cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180
tgtgagcgtc tcgatatatt atgcgcctga atcggacctt cgagtgaaga gttatgagca 240
ttagaatttc tcgagagctt ccgttgctca attacgaacg tttcgatata ttatactcct 300
gaatcggacc tccgagtga aagttatgac catttgaatt tctcgagagc ttt 353

<210> 16320
<211> 348
<212> DNA
<213> Glycine max

<400> 16320

ttcttctcga tatattatgc gcctgaatcg gacatccgtt tgaaaagtta tgaccatttg 60
aatttctcga gagctttcgt tgttcaattt cgagcgtctc gatataattat gcaccggaat 120
cggacttccg tgtgacaagt tatgactaat tgaatttctc gagagcattc gttgttgaat 180
ttcaagcgtc tcgatatatt ttgcgcctga aacggacttt catgtgacaa gttatgacca 240
ttggaatatc tcgagagctt ccgatgttca ttatcgagct tctcgatata ttatgogcct 300
gaatccgaca ttcgtgtgac aagttatgac catttgaatt tctcgaga 348

<210> 16321
<211> 384
<212> DNA
<213> Glycine max

<400> 16321

agcttgagat tttctattaa atttataacc attcctttca tgtgcaatct atacattgaa 60
agccaaaggc ccacaactta tgtgcttgat atgtaactgc ttactcagtt tttgtggatc 120
acatcgaagc tcatgctggg agtgtcaaca atctcgcttt ttcttatcca aacgaacagc 180
tttgtgttgt gacctgagga gaggataagg tcatcaaggt taattgtcac ataatttgtc 240
atagatatct atatcaatat caattaaaaa accaatttcg agtgttcaag atattgcacg 300
tatgggatgc cgttactggg gcagagcagt atacttatga gggacatgaa gcacctgtta 360
ttctgtatgc cctcatcaca taga 384

<210> 16322
 <211> 376
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16322

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agcttcttat tcatattggt tggtacataa gcttcttatt cacataaacac caatagtatt 60
ccatttataa gcagagattg acgattcaaa ttacatattt ataagagacc aaccaaacac 120
aaagcaacca cagcttataa caccgtaac aaatcctaga acatttgaat ttgcaaaggc 180
gggcatgac cactttattc taaaacttca aacacaacac atacttatta ttatttgata 240
catgtattac agctatctct gcttgaaggt tatgcatgtt gatctcactt gcagctgcat 300
gggtcgcaag tgcagnttga tccacagttg cagccaccgt tctcagctgc aacaccatt 360
tcagcaccct cgaatt 376
  
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<210> 16323
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 16323

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ttcttgcatt atttacatct cccctttct caagcaaatt cttcttgata tcatcaaat 60
cttcatgac ccgactcgtt ggtggaggat gcatgaatga caatcaattc atggggctcc 120
gaataaaagt ggagaatgga ggataggcga atagcgctag gcaatcaatt cgcggttctc 180
ccgactcgtt ggtggaggat gaatgaatga caatcaactc atggggctcc gaataaaagt 240
ggagaatgga ggataggaga atagcgctgg gcaatcaatt cgcggggctg cagactccat 300
ggtggaggat gcatgaatga caatcaacta gtagggctac gaataaaagt ggagaatgga 360
g 361
  
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<210> 16324
 <211> 366
 <212> DNA
 <213> Glycine max

 <400> 16324

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 gaagtccgat tcaggcgcat aatatatcga gaaggtcgaa attgaacaac agaagctctc 120
 gaggaattta aatgggtcata acttggttaca cggaagtccg atttaggcgc ataatatatc 180
 gagacgctcg aaattgaaca acggaagctc tcgagaaatt caaatgggtca taacttgtca 240
 cacggagggtc tgattccggc ggatagtata tcgagaaggt cggaattgaa caacggaagc 300
 tctcgagaaa ttcaaattggc cataactttt gaaacggtag tccgattaag gtgcattata 360
 tatcga 366

<210> 16325
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 16325
 atgcaacctt ggcattgctat cttgaaagac ttggagtatc tatataaaga gtaataattt 60
 gcatcttgaa catcaacggc cttggaatcg atgcaatcct cccaatgtga ctctctcatg 120
 atcgagccat atatgctgga gaatgcccta tggttcttat gagccttacg gtagattttg 180
 ggcccatgga ctaagtctga gccactcat ctttgtacat attaaatcac ggttccatta 240
 tttctaggcc ttatattcaa ggcttcatac tgaatggagg gtaccctact catgtaagaa 300
 ttttatacc 309

<210> 16326
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 16326
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 tgaaaatcta cacccttgtg gagtggatcc cacctcaaga gttccaatct tacatacggg 120
 gagaagatca gtggaagact caatgacata taagcatctt tatagggttg tgagtactct 180
 cttttgcatt cttccattct acttttgacc aaggatagtt gaccatattc ctcagaagca 240
 tcactgaaaa tctcatcagc agcctgcagc accaaatcac ttcgtgactg atatgcttgg 300
 ctctcactat cactctcatc agtgcttgat tcaccttcta ttttatgatc atccatttcc 360

atggatgtga ccttattatt ac

382

<210> 16327
<211> 344
<212> DNA
<213> Glycine max

<400> 16327

agtacctctg ttccggaaac ctttcttttg tcatgtgcac ccaaacccaa tctccgggtt 60
cgaagacaac cttcttttctt cttttgttgg cttgcttagc atagctttta ttgttcctct 120
caatttgatc tttgactctc ccatgaagct tcttcacata gactgtcttt gcttgacctt 180
ctttatgctt aaaaacagaa acattatgca taggcaaaag atcaagatga gttagtgggt 240
taaaaccata aacaacttca aaatcatcaa aagtattagt ggtcaacatc tgatttttgc 300
taacaagata tatagtgact gtgtagcacg aaacaaacctc ttga 344

<210> 16328
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16328

ttcttgagac catagacaaa cacactttga caatcatctg ctactaccac attgtaacct 60
tcgtcatcac ttgggtcaga ccgcatatgg tcatcagttt cactcccatt atcatactca 120
gaccgcacat atgccatctc aatagttctt cttcctgctt cttgccatgc tagtaacct 180
gcaggatcag ccttcggaga ttgtcttctg atgggtgaagt aatcagagga taacagaaat 240
ccatcatcac aattnttctc agtcatgtaa cccttttcgc aggagacttt gtccatggat 300
acagattgtg aacttttcag tatcatgtta actactttgg caacactagc acatttttct 360
ttatttagga aagccttgat catatgaaga tcaag 395

<210> 16329
<211> 394
<212> DNA
<213> Glycine max

<400> 16329

tgcttgaca caagattttc cttgcctggc acttcaaaac cttctgcaaa accttttgggt 60

tgggtcatat agatgtcttc ctctaaatcc ccatgcaaga atgcagtttt aacatctaac 120
 tgctctaagt gaagattctt tgcagctaca atactcataa taactttgat ggtagtcac 180
 tttaacaactg gagagaagat ctctgtgaaa tcaattcctt gtttttggtg aaacctgtc 240
 accacaagtc tgccttgta tcttcttcta ctgacaaatt cttcctttag cctatagacc 300
 cacttattct gtaacacttt ctttccttct gacaatttaa ttaaatacca catcttattc 360
 ttctcaagga atgccatctc atctgtcatt gcta 394

<210> 16330
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 16330

atcttcaaca tcatactcct tccattgtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcgagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtggg gatgatttct 120
 ccagatttac ctgggtcatg cttcatgcca tagaactttc ctataatctc tgggctgaaa 180
 ccatgaacac agcatgctac atccacaaca gagtcacact tagaagaagg actccaacca 240
 ctctgtatga aatctggaaa gggaggaagc ctactgtcaa gcacttcac atctttggaa 300
 gtgcatgtta catctttggc agatatatag caaaggagat agatggatcc caagagtgat 360
 gcaggaatat tcctgggata ctctacaaa 389

<210> 16331
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 16331

agcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac tttcttggag 180
 aatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag gacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagttha cattgaatcc ttcacacac aattgactga tgctgatcaa tgctgcagtc 360

agtccttca ccagcagtac

380

<210> 16332
<211> 284
<212> DNA
<213> Glycine max

<400> 16332

agcttctcga tatattatgc gcctgaatca gacttgcggt gaaaagttat gaccctatga 60
atttctcgag agcgtgtggt gtccaattac gagcgtctgg agatagtatg cgcctgaatc 120
tgactttcct gggatagaga atgaccatat agaatgtggc gagagcttcc gatcttgtat 180
atagagcgta tggatgaatg attaacgga atcggacttc cgtgaggcaa tctatgacca 240
tgggagtacc gagatagcat tccctgctta aacacaagcg tctg 284

<210> 16333
<211> 388
<212> DNA
<213> Glycine max

<400> 16333

agctgctgcg agattttttc cttgagaagc tagagcttag ctacgcacac ccatctaaaa 60
actaagctca ccttcttgag aagctagagc ttagctacac acaccattt taaaactaag 120
ctcacctcct tgacaaaata catgaaaata caaaaaaag tccctactac aaagactact 180
caaatgccc taaaatacaa ggctaaaacc ctatactact agaatgggtca aaatacaagg 240
cccaaaagaa ggaaaaacct attctaatat ttacaaagaa gagtgaatcc aaccttgacc 300
catgggctgg aaaatctacc ctaagggttca tgagaatcct atggccttct ttggtagcta 360
tagcccaagc ctcttgaggt cttctatc 388

<210> 16334
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16334

atcttttgct tcatctgtag tcatttgact tctggacaaa aggaaggtga tgaactaagg 60

aggaattcaa atgtaatgga gattctcaga aagacaaggt ttccccgagt tcaagacatg 120
 ggagatgaga gttctcctca gacaattctg gatcatgagt aagcccttca tctcttttcc 180
 ttgaatcttt actagcaact gatgcttaga gatcgtgaaa ctaaataaaa tgcagtccta 240
 agtcttaagt tttaccctgg ccaagaccta aacttgtggt ttaattggtg tagtcgaata 300
 atttggtggt gggatttaaa ttaccggata gccctttctt accgtgcagc anaggctctt 360
 gttgagatgc ataattgga 379

<210> 16335
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 16335

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 aaagtgatga agctactaat tgtatggagc atgtacccca ttccttataa cacgagcgtt 120
 tcacctatct tagtgggtccc ttagaactca cgcattcccta ttggggaggaa ccatgataat 180
 gagttgatct cgactataaa ggccaatctt tggcatgtct gcgtggatta tacgagactg 240
 cccgctgcta ctaggttggga tcaattgcct ctctcattca ttgattaaga tctggagagg 300
 ttggcatggt tatcacatta ttgctttctt gat 333

<210> 16336
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 16336

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 cgcgctttct tctgcacagc cggcaagctt cttcgaatct catgcgtcgt cttcttcatg 120
 aattcgttgg cggagtactt cttgaccttc ttgtggtgtc tctgcttcca gcggcagatc 180
 ggatttgaga gaatggcgcg gctccggcga gttctgcctt tggcagtggc ggcgaagacg 240
 cggtcagcgg aggcgcggac ttcgagggcg gcggtagggt tgctgttgcg gcggagcgag 300
 tggatgagct tggaggagta gatgcgctgt tcggttatgg aagtccagga tggagtgaga 360
 gcgaatgagt ttgt 374

<210> 16337
<211> 377
<212> DNA
<213> Glycine max

<400> 16337

agcttgagaa agagacacct tttggttgca aacaatgtat aagaaacaag tgtgacacct 60
aaattccaag catgcgaagg ttcaacatag aaataacaaa actaagaata ataaataaag 120
ggggggaaga gttgaattta atgaatggat tacaattacc aatggtgggg gaaagatctt 180
caacagaact tgaaataaag ctgacaagta ggctactttt tcccaccccg gaatctccaa 240
tcaacaagat cttgaaagag agatcatagc cactgctctg acctgaggat gaactcattc 300
tctcttcttc tgatgaatgt cttaggtgtg tgtgtcaaaa agtacagtga aagaaacgta 360
tgcaaggggtg agagaga 377

<210> 16338
<211> 376
<212> DNA
<213> Glycine max

<400> 16338

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gttggatcaa atggagaata gatatcctaa tggagaagaa aggaggataa gagggaatga 120
tggtgttcct agacaaaagc gaattgatgg tattaaactc aacattcctc ccttttaaagg 180
aaagaatgat ccggaggact acttggagtg ggagatgaaa atagagcatg ttttctcgtg 240
caacaactat gaggaggacc aaaaggtaaa gcttgccgcc acggagtttt ctgactatgc 300
tcttgtgtgg tggaacaagc taaaaagga gagagcaaga aatgaagagc caatggttga 360
tacatgggca gagatg 376

<210> 16339
<211> 377
<212> DNA
<213> Glycine max

<400> 16339

atcattatac atagtccgcc tttgcttgac cttctttatg cttaaaaaca gaaacattaa 60

gcaaaagatc aagaggaatt agtgggttaa aaccataaac aacttctaaa ggagaacaat 120
tagtggtgct atgaacaact ctattgtaag caaattcaac atggggtaaa caagcttccc 180
aagtttttaa gttattcctc aaaactgtcc taagcaaagt tcccaaagtc ctattaacaa 240
cttccgtttg cccâtcggtt tgtgggtgac aagtggttga aaataacaat ttagtgccca 300
acttgcttca caaagtcctc caaaaacgca gatcatgaag cctaggtata ggatgcgtat 360
acttaatggc gatgtta 377

<210> 16340
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16340

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ccctggagga ccgtttgagg tcatgtgtct tatagcaaaa ggggagagct ttctttcatt 120
gatagagttc acttacaaca acagttatca ctctaccata ggcattggctc cctatgaagc 180
tctgtatggt aaaaggtgta ggacacctct atgttggtta aagccctgag aagacctcac 240
cttaggactt gaagtggtag aacaaaccac cganaaagtc aagttgatcc atgaaaggat 300
gaggactgct cagagtatgt agataagtta tcacgattag aggatgaaag acttggaatt 360
cgaggatggc gatcatgtat tctagaaagt cactctgtgg act 403

<210> 16341
<211> 431
<212> DNA
<213> Glycine max
<400> 16341

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caacagcaga ataattatga tctttcaagc aacacatata atccagcttg gagaaatcat 120
ccaaatctga gatggacaag tcctccacaa caacaacagc atgttccttc ttttcagaat 180
gctattggtc caagcaagct gtatgttcct cctccaatac aacaacaaca gtcacaacaa 240
agacaacaag caactgaggc tcctcctcaa ccttccatag aagagttagt gaggcaaagt 300
actatccaga acatgcaatt ttagcaagag acaagagcct ccattcagag tttgacaaat 360

caaatgggggt agatgggtac tcagatgaac caagctcagt cccaaaattc taaaaaattg 420
ccttcacaaa c 431

<210> 16342
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16342

tatgaaacct aaagaaaaca agaaataata tgtcttaata ttacaatnga tatgattttt 60
gaaaagaaaa tattataaaa aaacaaaact aaccatgttg gatggcatgt gcttaaattct 120
gtaataacag tagtaaaaac aatcttcttt aaaagaccct tagacctcaa aattcgaagt 180
ggaacgtgct gcacacgttg atgcacactg attattatat ctggctgata tttcattagg 240
cctttagcaa cctcgtgta aaaagagaaa aagatatatt aactgtgaca tttgatgtta 300
catcatattt gagaagagat acacatgcac aagaaagtat ttttctgaaa catggaatgc 360
agaaaaagtc aataagtttt gtctaattatt aacacaatgc acaacatata ttg 413

<210> 16343
<211> 406
<212> DNA
<213> Glycine max

<400> 16343

tagtgacata agccaaacac atggtatttg ctaatgtccc tatgaaagcc catccatgtc 60
ccaggttcca agcaaacaca gccattcccc accaccacac ctgctctcca aagtaatttg 120
gatgccgaga ataataccac aaccctttgt caagaatagg gacctccttg ttctttctac 180
tcacaaagtt gtaaagctga gtatcagcaa tgtatgccgt gacaatgcca gatacacaca 240
caactatggc taccaagtcc cacatgctca gaggctggtt caccgagtgg atgacataga 300
acggaagaga caatccaatc agaaacacct gcaaggttgt cttgatgtaa attaaaagta 360
aaagcaaggg aaaatgatga ctaagagtaa ccttaattac ctgctg 406

<210> 16344
<211> 414
<212> DNA

<213> Glycine max

<400> 16344

tacatcaata ggaataataa taaaaaagaa ggcataatatt ttctgccctc tatagctcta 60
cgattgtata attggccctt caaaaaatta gttacacatt tatcttataa aatttaataa 120
ttttgacctt ttgttatattt gccatcaaat ttttaacata aaggactaat gtgatattta 180
agtgataaaa taacacgaat acattaatat tataaatgac atgatatttt aaatatagac 240
taatatgaca tggattgttc aaattgtgat cattgttact acgtcactaa actatttagtg 300
caagtagcat atatattaga ttactagttt attttttata tcgctgcaat gctatattat 360
tacttaaata tcatgtcaat aattgtttaa aatcactaac gtaaaaaaat gtgg 414

<210> 16345

<211> 368

<212> DNA

<213> Glycine max

<400> 16345

aaactcaagc taaaaaaggc atgcgaagtg ggtggaattc ctagtgcaat tcctcttagt 60
catcaaacat aggaagggaa aaggtaatat tgtatccagt gctctttctc ggcgtgatgc 120
atcactttct atgcttgaaa caaaatggat tggcttagaa tgtttgaaaa gcatgtctga 180
aaatgatgaa actattggag aaatttgtaa aaattgtgaa aaatcctcac ataatggttt 240
ctgtaaacat gatcgcttac ttgtcaaaga caacaaattg agtgtgcctt aatgatatag 300
tagaaatagc ctggtttgtg aagcacatga tagatgttta atggggcatc ttgggggtcca 360
aaggactc 368

<210> 16346

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16346

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tcccctatct cttgcagggt cttoctcctt ccatcatcca taccaaactc ccatcttacc 120
acctgcctct ctcttgcatt gagactgtcc agagcctctt ctaggtcctt cttcatgaac 180

tgcttaagga gctgttcttc agctgtttcg gcatcaggat cagaaattac ttcttggtta 240
 aaaacacaca agtatcagca aaatgaacat caaatgaaag caaagagttt tttttttttt 300
 tttctggagc aaaaatttga acgagattag gacagactga gggtttaaga ttctgggtga 360
 tcccaatctt tt 372

<210> 16347
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16347

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 caagaggctt ctttgagaag ctacatcctt atctatccat ccctctatta actaaattaa 120
 cttccttaaa aataattacg gatgaaaata acgcaacaaa taatcaaaca tcaaacataa 180
 ttactaataa tatatagata tatatatcag ggtgttacac atcatatatt gagacgctcg 240
 aaattgaaca atggaagctc tcgagaaatt aaaattgtca taaattttca cacggatgtc 300
 cgatcaggca catcagatat cgagacgctc gaaattaaaa aaacggatct cgagaaattc 360
 aaatggatcat aattntcaca cgga 384

<210> 16348
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 16348

ttctttcaca tggatgtccg attcggggac ataatatatc gagacgctcg aaatcgaaca 60
 acggaagctc tcgataaatt cgaatgggtca taacatttca ctccgatgtc cgattcgggg 120
 acataatata tcgagacact cgaaattgaa caacggaagc tctcatgata ttccgaatgct 180
 cataacattt cacacggatg tccgattcgg ggacataact catctagacg ctccgaaattg 240
 aacaacggaa gctctcgaga aattcgaatg gtcataagat ttcacacgaa tgttcgattc 300
 ggggacataa tatatcgata cgctcgaaat tgaacaaccg aagctctcta gaaattcgaa 360
 tggtcataac a 371

<210> 16349
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16349

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 ccctgtcaga tacaatacta caaggaattc catgcaacct tactacttcc ttgatgtaca 120
 actacactag ctttgccatt ctatacttca tccgaatgaa atgttatgac cattcgaata 180
 tctcgaagagc ttccgttgct cgacttctag cgtctcgata tattatgtcc ctgaatcgaa 240
 catccgagtg aaatgttatg actattcgaa tttctcgaga gcttccggtg ttcaatatca 300
 agcggctaga tgagttatgt ccccgaaatct aacatctgtg tgaaaagata tgaccatt 358

<210> 16350
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 16350

tgcttgcagc gcatttctga tgaactttac cagaaattgc ggtaggaggt cccaggactg 60
 ggaagctccc agtgaagggt tctgcctttc ttacagctga aggatcatcc agatcaagcc 120
 ttgctataag ttcaccagcc tgcaaaagggt gatacaattt tattatcttt ttcaatttca 180
 acaattgtac ttcctatgtg gaatagaatg ctatatacct gcattgcttg accttcagac 240
 attttgaaat gaataatccc agaagcaggc gaaagaagag gcatgcacat tttcatgacc 300
 tcaacttcag catacgggtg gtcagcatca acatgactgt catctgcaac caaatatctc 360
 agaagcttgc atggt 375

<210> 16351
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 16351

ttgtaagtta tatattcaat atattttata tgttttattt atgtacatgt ttatatatttg 60
 ataaatgaat aatttttaggt agtataagtc aatatatttg atatctttta tttatgtaca 120

tgtttatatt ttgataaatg aataatttta ggtagtataa gataataatt ttgtataggg 180
 ctctttgtat tgtaaatgtt atatatgcta gattatattt tgataaataa atagtttttag 240
 gtagtataag attatagttt gaattgttaa tgttatatgg tagattagat ttaggtttat 300
 atgataaatt aagaatactt ttacatactc taagttatta attttatatg gtagattagg 360
 aatattttta attttgatat g 381

<210> 16352
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16352

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 caagagcaat tgatggagct gaggtagaag ctgaagcaca gttgatgatt ggaatgatta 120
 tctgcctaat gtcaaagtca tcagagacac acaccacat ctntaattgg aaaagtccat 180
 caatcctctt atcattgaac accaactttg caagtgtagt cttcccatg cctccaagac 240
 ccactatggg aataacacac acacttttat ctccatcacc atcccatga gggtgagggt 300
 gcatcaaaag cttgataatt tcttccctat cattatccct tccaatcact gctgaagcat 360
 caatatgtga ataagtcatt tctcttcttt gcacaagtct gtggtcaaca gaaatcctc 419

<210> 16353
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16353

ttattcttct tcaactgcac aaggctctta atatttgaag agtatccttg tggaaccttc 60
 acccgacgaa gacactgaca aaaacttata tattccttct tggacaaagt atggcagggt 120
 gggggcaagt aaattttctt cccatcagac cttggatgca actgtgatcg tatacccata 180
 tcagctagat cttgacgggt attcaagcca tccttcgtct tgccttgaat gttaaggagc 240
 gtcccaatca cactgtcaca aacatttttc tccacatgga taacatcaat acaatgtcta 300
 acgtcaagat cacactagta tggaagatca acgaaaatgg acctcttctt ccatatgcaa 360

ctctgactnt tctccttctt ttg

383

<210> 16354

<211> 405

<212> DNA

<213> Glycine max

<400> 16354

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atgaacattt attttttgtc ccgagccact acaaaagcat acataataga tctgataacc 120

taagcttgat gtacagaagc ctcaaccacg aattatgtca tcgatgaaga atacatgcac 180

cactgtgact cctgtactat tcccaaacca gaagggtttg caattaccct cattgactga 240

cttttaaatg agatatgcta ggctctccat gtgcaagaca aagaggtagg ggggtgaagg 300

gtcccccttg ctcagtcccc atgtaggagc aagagaattg caattgatag ctaacgaagt 360

gctcatacaa ttagagagaa tatcagtcct ccaagaggga atctt 405

<210> 16355

<211> 415

<212> DNA

<213> Glycine max

<400> 16355

tggctcttaat tataccaaga tagatgtttg ccctatgagt tgcattgttg attggaaga 60

agatgaaaat ttgcagattt gcaaacattg cagaaaatct agatggaaag caaaaggtaa 120

taatggtaaa aagaatgtac tagcagatac tttcctttga aaccaagggt gcagaggtta 180

tttgtgtgtt ccaaaatagc aaagtccatg agatgacatt ttttaaatag caacccaaat 240

ggattgttga ggcattcaag agttgctaag gcatggaaaa gttttgatca aattcaacct 300

gaatttgctt tagaacctag aaatgttcgc cttggccttg caagtgatgg cttcagcaca 360

tgccgaacca tgaataataa gcatactata tggctcgggtg ttctaattcc ataca 415

<210> 16356

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16356

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atccttttga tgctattttg tatgcccaca aagcttcac tagtttttgg gaccaatcct 120
tccttgactg agcaattggt ttctctagga tctcctagaa ttcctatta gagacttcag 180
cttgcccatt ggtctggggg tggtaaagtg aagctaccat gtgtttgaca gtatagtgtt 240
ggaggacttt cttgagttgg gaattacata aagaagatcc tccgtcactt atcaataccc 300
ttggtgatgc aatcctaccc cgcaagggca ttggatagaa aactccaagt agattgggcc 360
agatatgcaa gagaaggccc tatggttctt atgagcctt 399

<210> 16357

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16357

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tccccgtctg cttgttgtat ggaagaaaca cttactacat tagactatgc tagccgtgca 120
aaaagcataa agaataagcc tgaggtcagt taccactgct attgttcctt acaagttaca 180
attcttctaa aagcagtttt aaagctttgt gtgtttttta aaaggcaaac caaaagggtt 240
cgaaggttgt tttgttgaag gacttgtaca gggaaattga tagggtgaaa gaaggtacac 300
tcaccaccac tattagtttt ggaatgtaga gaagattttg tatcttatct tttgtataat 360
atgaatattg cagatattcg agcaacaagg gaaaagaatg gtgtatatat ttctcatga 419

<210> 16358

<211> 382

<212> DNA

<213> Glycine max

<400> 16358

ttcttgtgcc aataaagatg gtgaaaaaat tcaagaatag ttcaatacca tttcatctct 60
tgaaaatcta cacccttgtg gagtggatcc cacctcaaga gttccaatct tacatacgga 120
gagaagatca gtggaagact caatgacata taagcatctt tataggttga tgagtactct 180
cttttccatt cttccattct acttttgacc aaggatagtt gaccatattc ctcagaagca 240

tcactgaaaa tctcatcagc agcctgcagc accaaatcac tttgtgactg atatgcttgg 300
ctctcactat cactctcatc agtgcttgat tcaccttcta ttttatgatc atcccattcc 360
atggatgtga ccttattata ac 382

<210> 16359
<211> 381
<212> DNA
<213> Glycine max

<400> 16359

tttatcttga tgcaatccta ccccgcaagg gcattggata gaagagtcca agaacattgg 60
accaaagatg caagagaagg ccctaggggtt ctcatgagtc ttaaggtaga tttcgggccc 120
atgggctaag tacgagccca cttatctttg taaatattag attaaggttt cattatTTTT 180
gggccttgta gttagggctc cataatgtag gtaggggtgcc ttagaaatat aggatttttc 240
agcccttgta ttttagggca cctagactag tttttgtatt aggggtagtt ttgtaatttc 300
atatgcacta agtgaatatt tgatcgtgtg gttggaaata aatttaattg aattggtaga 360
agcccaatcc aattaaattt t 381

<210> 16360
<211> 383
<212> DNA
<213> Glycine max

<400> 16360

tcattcttct acattcaatt tcgagctttt cgatatatta cgggactcaa tcggacatcc 60
gagtaaaaag ttattgtagt ttgaatttgc tcagggcttc ggtattccat ttcgagcgtc 120
tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaatttg 180
ctcagagctt ctacattcca tttcgagcgt ttcgatatat tacgggactc aatcagacat 240
ccgagtaaaa agttattggt gtttgaattt gctcagagct tcggtattcc atttcgagcg 300
tctcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt 360
ggctcagagc ttctacattc aat 383

<210> 16361
<211> 411

<212> DNA
<213> Glycine max

<400> 16361

gtgagaaaat tcaaacgaca ataacttttt actcttatgt ctgattgagt cccgtaatat 60
atcgagacgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgtata tatcgaaaag ctggaatgtg aatgtagaag 180
ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt 300
tttactcggg tgtccgattg agtcccgtaa tatatcgga cgctcgaaat tgaatgttga 360
agctctgagc aaattcaaac gacaataaac ttttactcgg atgtctgatt g 411

<210> 16362
<211> 378
<212> DNA
<213> Glycine max

<400> 16362

tattcttgaa atcatctatt cagatgtttg tagccctata caagtagagt cccttgagg 60
aaataggtac tttgtaacct ttatagatga ttactactaga aagacttgga tttatatgat 120
caaaagaaag agtgatgtgt ttaatatatt taagaagtac aaagcttata ttgaaaatca 180
aagttctagg aagattaaag tggtgagaac tgatggaggt ggtgaataca cctcaaaaga 240
attcctagaa ttttgtgatg aagcaggaat tgtacatgag ttcacaccac cctacactcc 300
acaacacaat gggttagcag aaaggaagaa tagaaaaatt atgaatgcgg ttaggagaat 360
actcaaatgc aaggatct 378

<210> 16363
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16363

ntaaataggc attcctatct gcaaaagaat aaattttctg gtagaaaata aactcaaccc 60
aagtgtaga tggttgatgc atccaataaa aaggtgagac ttcataaatc ataaaaatga 120

tggtttactc aaataaatta cattttatatt ttcaagaaca atttaaattg tgttgagatt 180
 ttttttggtg aatcataaaa tgatgtagaa attaaattta aagatagaaa tgaaagagat 240
 tgacaaggag aagtaattga attaagacat gaaccatcaa tgagttgtat atgggggttg 300
 tagtcaagaa ctaatcttta tgtgttaatt attaaatcat ttaatttata tatgaaaata 360
 ctagaaattt taaagacaat tattttataag aaacttataa tatgactata cttgattcac 420

<210> 16364
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16364

atcatattat aaattcgaat ggccattgct tttcactcga aggtccgatc aggcgcacat 60
 catatagaga cgctcgaaat tgaacaacgg aagctctcga gatatgcaaa tggatcataac 120
 ttttaactcg gaggtcggat tcatgcacat tataatcga gacgcccgat attgaacaac 180
 ggaagctctt gagaaattca aacggtcatt actttttact cggagggttcg attcaagcgc 240
 gtcacatata gagacgctcg caattgaaca acggaagctc tcgagatatt caaattgtca 300
 taactttcaa ctcggaggtc cgattcatgc acatataata tcgagacgct cgaaattgaa 360
 caatggaatc cctcgag 377

<210> 16365
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 16365

tactcaagct taaaggagaa gttgggttttc tgaactctaa actttttact ttacttattc 60
 aataaagatg ctgaatgaga gctcatatat gcttgatgag gtgctacagc ttgggaagaa 120
 tgttggaac cagagaggac ttgggtttta tcataaacct gctggcagaa taaccatgac 180
 agaatttggt cctgcaaaaa acagcactgg agccacgatg tcacaacatc ggtctcgaca 240
 tcatggaacg cagcataaaa agagtaaaag aaagaagtgg aggtgtcact actgtggcaa 300
 gtatggtcac ataaagccct tttgctatca tctacatggc catccacatc atggaactca 360
 aagtagcagc agcagaagga agatgatgtg ggttccaaaa cacaagattg tcagtcttgt 420

tgttcatac

429

<210> 16366
<211> 407
<212> DNA
<213> Glycine max

<400> 16366

tgacacaaag attctcctta cctggcactt caatttcttc tgggtgggac atatagatgt 60
cttcctctaa atcccatgt aagaaagtag ttttaacgtg taactgctct aagtgaagat 120
tctctacagc tacaatattt agactaactc tgatgatagt catctttaca actggagaga 180
agatctcttt gaaatcaatt ccttgtttct gctgaaacct ttcaccata agtctcgct 240
tgtattttct tctaccatca tattctccct ttagcctata aaccactta ttctgtaaca 300
ctttctttcc ttctgacaat tcaattaaag accacgtctt attcttctga acggatgtca 360
tctcatctat cattgctagc tccactcaa tagaatcatt ccccttc 407

<210> 16367
<211> 377
<212> DNA
<213> Glycine max

<400> 16367

tctttctttt tagtctcagc tgatgaagat gaattcgtgg ctacttcatg cactcctcta 60
atgacaataa catcatttct ggcactaaat tgctgggagt ttgaagccgt cttctcaatt 120
aaatttctgg cttgagcagg ggtcatgtct ccaagggtc caccactggc agcatctatc 180
atacttctct caatgttact gagtccttca taaaaatatt ggagaagaag ctgctcagaa 240
atctgggtggg gaaggcaact ggcacatagt tttttaaatc tctccagta ttcatatagg 300
ctctctccac tgagttgcct aatgcctgaa atatcctttc tgatggcagt ggtcctagat 360
gtagggaaga atttctc 377

<210> 16368
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16368

taatcttatt ttgcaaatat tnacaataga cctcctgaac ctcagcagca aaatcaacca 60
 cagcagagca attatgacct ttccagcaac agatacaacc ctggatggag gaatcaccct 120
 aaccttagat ggtccagccc tcagcaacaa caacaacagc ctgctccttc cttccaaaat 180
 gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca acaaccccag 240
 atacaaccaa cagttgaggc cctccacaa ccttcctcgc aagaacttgt gaggcaactg 300
 actatgcata acctgcagtt tcagcaagag accagagcct tcattcagag cttaaccaat 360
 cagatgggac aattagctac cc 382

<210> 16369
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 16369
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 accactactg accacaatac agaccggtgc ccttccatgc agcaaccagg aacaatagag 120
 cagccagaag cataagctgc aaatataaac aatagacctg ctcaacctca gcagcaaaaag 180
 caaccacagc aaagcaatta tgacctctgc agcaacagat acaaccctgg acggaggaat 240
 cacctcaacc tcagaagggc agccctcagc aacaacaaca acagcctgca ccat 294

<210> 16370
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 16370
 ttcttggtg atatggaatc tctgtaattt ggagaataaa attatatcag tagaaagaat 60
 acttcaatat actagtattc cttgcgagcc tccccttggt gtagaagaca atcggccaga 120
 tccttcttgg cccttgatg gtgaggttga catacaagat ttgcaggtag attgagttct 180
 tatatTTTTT aaagttttgt acttttattt tctttcattt tgtggataat tgatttataa 240
 aattcatgct aaggtttttt tttcctaaat gggttacaagc tagtatctga aacagaataa 300
 ttgtgccaac atatttaata gcataatttt tacactatgt ttgtaatgat gtgttgccat 360
 gatgaagggt cgttatgctc cac 383

<210> 16371
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 16371

tctctcagca actttgactg caaaacttca caggagctac atggcttctt tgcaagtgcac 60
 aagacaagct ttggcatctg agtctcagag aacaccaccc tcagtgc aaa atgcaacaac 120
 ctccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt 180
 gttgccacat aagagaccag aggaggagca agagtcagag gcaaataagg gtgtgaaaag 240
 ggttaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga 300
 gcaaatagatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc 360
 ccaggccctc taattgaatg tgcattgttt tgagctgaat ttaaagtcac aattgtaggt 420

<210> 16372
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16372

ntgtataatc acatcagccc acaatttgta tgtttatgct ctctcaatga tgttagagga 60
 agttcagcca aatatgggtt agcatatctg caagagggaa ttctttctga tatagctggt 120
 gagaatatca aagtggataa tgagcacaaa ggaattccaa tcctgattag gaagttgcac 180
 ggcaaaaagg ttcttttgat acttgataat gtggacaagc tggagcaatt ggagtattta 240
 gcaggagaat gcaattgggt tggtttgggc agtagaatta tcataactag caggtgtaaa 300
 gatgttctag ctgctcatgg agttgaaaat atatatgatg tacctacgtt aggatattat 360
 gaagctgtgc aacttttaag ttccaaggta accacgggac ctgtacctga tta 413

<210> 16373
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16373

ntaacattca atttcgagcg tctcgatata ttacgttcct ctatcagaca tccgagtaaa 60
aagttatggc cgtttgatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat 120
gttacgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag 180
attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgaa ttggcttaga gcttcaacag tcaatttcga gcgtcttgat 300
atgttactgc tcctgaatca gacatgcgag tgaaaagtta tgaccatttt aatttcttga 360
gagcttccgt tgttcaattt ctagcgtctc gatatgttat gtgtctgaat cggacatg 418

<210> 16374
<211> 381
<212> DNA
<213> Glycine max

<400> 16374

atcttgcggt ttatttcaga cattccttta tttgcgcagc ccaagtcagt atctagctcc 60
tctcgcatct ctgatagaag tgtcttctgt agatcttcca ggccattgat tttgtttgat 120
ttttctctaa cattggaaag aaaacttgcg gcatcaaagt ggttcacaat gttgttatac 180
aaagctgtgg caagttctgt ttttccgact ccaggagtc cccatacacc caacatgcgt 240
acagtttcat cataaggctt catgtctagg agtgacatta cctcttccat gcggggccaa 300
agtccaatag ggttctgacc agtatgtaaa ggattatgag ctatgtgttt atagaccttg 360
tcagctatct tttcaataaa t 381

<210> 16375
<211> 421
<212> DNA
<213> Glycine max

<400> 16375

tgcaagttgg taggggatga gaagaatagg ctgttgataa tgatgtatgg aatccgtaaa 60
ttgaagggga ttatggaggt ggagaagaga aagaatgatt ctgagaggaa ggaagacact 120
gaagcatgca agttacttgg agaagagaag aaaaagggtg ctgaaaagga aaaggaaatt 180
ggtagattga aggggtgtat agaggagaag aagagaaggg ttgattctga gaggaagaaa 240
gctactgaag cttgcaagtt actagaagaa gagaagaata aggctgccgt aaagggggag 300

attgccagaa ttgaagcaga gaaggcagtg aagtatagtt ttcagattgg tcaattagag 360
 aaacaggtta atgaagcaaa aacaaagttg gtgtctgaga tttctacgtt tagagaggca 420
 a 421

<210> 16376
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16376

ttgtatgggt ccatttaciaa ggagtttgag gggtatgtnt tatttccgac gttagagaaa 60
 cctcaaataa aaagggccta caacatcttc aacaagagct tctatcagag atacttgggc 120
 gcaacgatat taagctaaaa aaaatgaaga aatcaataaa aaaatagact tgggttaaaa 180
 agagttctaa tatttctaga cgatgttgat aacatcgaac agatggagaa tttggcaaag 240
 gaatgtgatt agtttgggtc tagaagcatg ataatacataa caacaagaga tacacatttg 300
 ctagatcttg ttgggggtcga aaagagatat gaagtgaag tgctaaacga ccaagaatct 360
 ctggagttct tttgtaagag tgcctttaga aagagttgtc ctgaaacaaa ctacaaagat 420

<210> 16377
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 16377

ttcttgcata cagctcacga atggatgatt aacttgaaga agtctaagaa ccaattatat 60
 gtttgttgag gaaacatcat ccagagtctt gaatcattgg tgatcataag gaaaaagtcc 120
 agacaaggaa ctctttcaag catacaactc tacttttcga gatcggggccg aaacgcatag 180
 atgatgctat gtctaataaa tactgggtca aagcaatgaa agataagttg gaccagtttc 240
 agaagaatga tgtctagaag cttgtagaac ttcccaaagg catatatgct attggagcaa 300
 agtgggtgtt cagaaacaag ctcgatgaaa tatgtaaggt tgtgagtgga acaaagctag 360
 gcttgtg 367

<210> 16378

<211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16378

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 aagttatggc cgtttgtatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag 180
 attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgaa ttggcttana gcttcaacag tcaatttcga gcgtcttgat 300
 atgttactgc tcctgaatca gacatgcgag tgaaaagtta tgaccatttt aatttccttga 360
 gagcttccgt tgttcaattt ctacgctctc gatatgttat gtgtctgaat cggacatgcg 420

<210> 16379
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16379

attctttata tatatcgagg cgctcgaaat tgaacaacgg aagctcttga gaaattcaaa 60
 tggtcataac ttttaactcg gatgtgcaat tcatgcgcac cacatataga gacgctaaaa 120
 aatgaacaac ggaagctctc caaaagttaa aatggtcata agctttcaca ctgatgtccg 180
 attcaggctt atattatatt gagacgctca aaattaaaca tcgaatgctc tcgagaaatt 240
 caaatgggtca taactcttca ctcgatgta cgaatcaagc gcatcacata taccgacgct 300
 cgaaagtga caacggaagc tcccgaataa ttcaaatggc cataactnta cacactgagg 360
 tccgattcaa gcatataata taccg 385

<210> 16380
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 16380

ttcttttctt ctacgtgttc tgataagggt tccaaacggt agagaaggag aagagattga 60

agccttcatt ctactgcctg catgcaatga atatttctcc ctaacaagat caattttcaa 120
 atcgcaacgg tgaaaatatg cagaaatgaa tttcgaacca ggtgtcccaa tttcacaatg 180
 atccaacggt taatgagtct gggattatag ttttactagg acagggttttg ggtctctgca 240
 ggaaaagaaa aagttaagat gagaagggaa tttctctcac ctccaactct gattcgcaat 300
 ttccatcggt gagaatactt gaatatgagc tgcaaacttg gtgctcaaat ttcacaacaa 360
 tccaacgatt aacgagt 377

<210> 16381
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16381

tgcattgagat gcagggtatt ttctcacaaa tattattcat tactccaagg ttttccatag 60
 ttatgacttt ggcaagtatt atttggtact ccaagggtgtt ttttaccaag caatatacac 120
 acacaactta ccttgcaaga ataacctatg agcaactgaa gttataaaaa tagcatgagc 180
 tctctgccaa tttgcacact gaagaaattg gtcaagggct tttgagtgat cccattata 240
 attataataa attgcctgca ccgccataac aaaatcattc aaacaacaat aagagtcatt 300
 taaagaataa tacaatactt tgcaacnatt ccagcattag caagcccatt aatcagtaaa 360
 gaacaccatg acaacaatth aattcagttt agtcataaat tgatcata 408

<210> 16382
 <211> 335
 <212> DNA
 <213> Glycine max
 <400> 16382

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 acttgggtgct gatcatcctg ctggagatat gacattgttg gaaactggcg aacctgtgta 120
 ttctccaatc actcaggttt gataaatatt ttttttctg tataatcact atttaaaaaat 180
 actcttgtag ttgagaactt tgggactgtt tcatgtatga aggaccttg cttacagaaa 240
 atctaatacat ggaaacagag gagtctgtgc agcggacagg gaggtctgta tgctaactga 300
 gattcatcca tgacacaatc tggtatctta aatct 335

<210> 16383
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 16383

ttctttaga actcccaaa gtaagatcta ctcttgagc aaagtgggtg ttcaaaagct 60
 agacaaaata ggtaagggtg tgaggaacaa tgctagactt gtgaccaaag gttactcaca 120
 ataggaaggt atacattata ttgaaacttt tgctcctggt gctcatctag aggcaatatg 180
 cattatacta tcctttgttg ctcatcatgg tatgatgtgg tatcaaatac acgtaaaaag 240
 cactttcttc aatggactta tcaagaagtt tatgtggaac aaccccctgc gtttgagagt 300
 tctatctacc ctcatcatgt tttcaaaatt aataaagctt tgtatgtgtt aaagcaa 357

<210> 16384
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 16384

atcttgtaat cgattacaca agtcttgtaa tcgattacca gaggggattt ttagaaaata 60
 atttccaaga gtcacatcta ttcaaagtgt ttatgaatgg ccatcaaaag tgacttggaa 120
 acacgaattt aaagagagtt ttcattgccc aaacagtttt atgctctcaa aagattaaga 180
 gtttttctga actgaaatgt cttatcctct caaaaagatt ccttgggtcaa ccacttgcac 240
 attcaataag gaattttgat tgatcttcat tgtacaatct atctctttta agagagattt 300
 cttcttctct tcttcttatt tctgacacaa gatttaagag accgtgggtc tcttgttgta 360
 gagaattctt gaacac 376

<210> 16385
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 16385

ttctttcatt gttcaattcc cagcgtcacg atatattatg cccctgaatc ggacctccga 60
 gtgaaaagat atgaccattt gaattgctca agagcttcca ttgatcaatt tcgagcgtct 120

cgatatatta tgcgccataa tccgacctgc gagtaagaat ttatgaccct ttgaattgct 180
 cgagagcatt cgttgatcaa tttcaagcgt ctagatatat tatgtgcctg aatcggacct 240
 ccgagtggga acgtatgacc atttgaattt ctcgagagct tccattactt agtctctagc 300
 atctcgatgt attatgtgct ctaatcggac tttcgagtga aacgttttga cgcattcgaa 360
 tttc 364

<210> 16386
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 16386

atcttctcga tatattatgc acatgaatcg gacctccgag tgacaagtta tggccatttg 60
 aatttttcta gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120
 cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180
 cttgagcgtc tcgatataatt atgcgcctga gtcggacctc cgagtggcga gttatgaaca 240
 tttgaatctc tcgagagctt ccgttgctca ttttcgaccg ttttcatata ttatactcct 300
 gaatcggacc tccattgaaa agtttgacca tttgaattct ccagagcttc 350

<210> 16387
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 16387

tcaattttgc agcgatttc tgatgaactt taccagaaat tgcggtagga ggtcccagga 60
 ctgggaaact ccagtgaaac gggtctgcct ttcttacaac tgaacgatca tccatatcaa 120
 gccttgctat aagttcacca gcctgcaaaa ggtgatacaa ttttattatc tttttcaatt 180
 tcaacaattg tacttactat gtggaataga atgctatata cctgcattgc ttgaccttca 240
 gacattttga aatgaataat ccataaaca tgcgaaagaa gaggcattgca cattttcatg 300
 acctcaactt catcatacgg tgtgtcatca tcaacatgac tgtcatctgc aaccaaatat 360
 ttcataagct tgcat 375

<210> 16388
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 16388

tctatagaag gttcgttcct aatttctcta ctatttcata acctctcaat gagctggtga 60
 agaagaatgt ggcatttacc tgcggtgaaa aacaagatca agcctttgct ttgctcagag 120
 aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattggt acaagggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgccca ccctcaacta cccacactat gataaagagc 300
 tttatgcctt aataagagcc cttcatactt gggaacatta ccttgttttc aaagaatttg 360
 tcattcatag agatcatc 378

<210> 16389
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 16389

ttctttcggt ttcaattact tgtgtctcga tctcctacgg gacacaatcg gacatccgag 60
 tcaaaagtta ttatcgtttg acttttctta gagctccoga gttcaatttc tagcgtctcg 120
 atatattaaa gggctcaatc ggacatccga gttaaaagtt attgtcgtta gacttttctt 180
 agagctttcg ttgtcaattt cgagcgtctt gatatat 217

<210> 16390
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16390

ntggagtttc caagtgccaa ttctgtcctct tcttttagtcc attctttcttc tggcttcaat 60
 tcatcagtggt gcttttcttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180
 tcatagttgc ttccatcaag aattggtggt ctgttcaactg gtctctcttc tttctccatg 240

ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttg ctctgatacc 300
aattgaaatt ctgataccag tggacagatg tcgtacagga tgtcacgaca tcacgcttca 360
aacatgcagt ttatgtgtgt ccgtatgaac 390

<210> 16391
<211> 350
<212> DNA
<213> Glycine max
<400> 16391

atctttgatc ggtaatttgc gaccagaggt cgtaagctc gtctctgctg atcttttcaa 60
ccttcagtct acgtctacga ctcagcgcgt caaatagtct cagagcgaac tccttagagt 120
ccttcacccc ttcaaaaaat taaacaaagc atacaaaact cttcaaacia ggagtgaana 180
tgacaaaaccg attaaatgca catgcgaaac gcaagaatct gaactgaaat ttgaaaagga 240
atcgtaccta tgcattgcgc aaaatcagtg cgagaaagat aaccgtcctt ggcaagacta 300
tagaaattgc tgtgcacctc gttccacgcg ttagcgccat tggatttact 350

<210> 16392
<211> 409
<212> DNA
<213> Glycine max
<400> 16392

tcatatatat atatattacc ttgcctacat ccgttcttat actatgtaaa aatgatctat 60
atatcaaatt ctatctatcc tttcgtttgt tatcaatctt atacacacia tgacatatca 120
aattatacca tggtaatttt gataattatt atactatctt tatatacgag ggaagatcaa 180
attataccag tataattttg ataattatta cactatcttt atatacgaga ataaatcaaa 240
tcataccgat ataactttga taactattgc attatcttta taacttgata tataatgtaa 300
tttttattga tataactgtt aagttatatt cacatattat caagattgtc cgtattatat 360
tttgtcaaaa ttgaacaaca agaaagtaat cacattatct atatgttaa 409

<210> 16393
<211> 314
<212> DNA
<213> Glycine max

<400> 16393

atcttgtctt ttcccttgat atattagagg gactcatgct cactatgaat gacaaatcac 60
ttgggataaa agtaatgttg ccatgatacc aaagcccgta ctaaggcata caacacctta 120
tcataagtat aatagttaag ggtaggacca cttaactttt cactaatata agcaattgga 180
tgaccttctt gcatcacaac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aactatattg aaagttcggc aaagcaagta tgggggcatt atctaactct tgcttataaa 300
cattgaaagc ttct 314

<210> 16394

<211> 298

<212> DNA

<213> Glycine max

<400> 16394

tgggttaaaa accaccctc accctatgcc ttttattttg caatggtcga atgacaatgg 60
tgaattgggt gtggataaac aagcatcact tacattcttc ataggaaaat atgttgacga 120
tgtgcttcgt gatatggttc ccattgaaga ctaacatgtg ttgcttgtag gaccttgtag 180
ttatgataga gatgctgttc acaatggggg caccaatcaa tattctgtct tccataaatg 240
taaaaagggt gttctctcac ctttgccctc aatgaggtgt gtgaggatca tctaacc 298

<210> 16395

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16395

tttctntttc tgaaagatag aaatttgaaa tttgaaattt gaaagctgtt atcgattacc 60
acttgtatgt aaatgattac cagtaacgga actaaaaaaaa ttcaaattga aaaggcatga 120
cttctcatta cataactgtg taatcgatta ccaaagaagt gtaatcgatt accagtggag 180
aaattataaa agttactctg aaaagtcaca tcccttcata agtttttcgaa aaaccaccaa 240
gggcctatta atatgtgact tatctatgat agtttttgaga agtttttcaa aaccttattg 300
tcttatcctc tcaaaaacaa atcattggcc aaaca 335

<210> 16396
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16396

tttcttccaa gtanttaact gcttgctggg aactgtccta agcaaagccc ccaaagacct 60
attaacaaac gaccgtttgc ccatcggtat gagggtgacc actggttgaa aataacaatt 120
tagtgcccaa cttgctccac aaagtcctcc ataaatggct gacgaactta gagtccctat 180
aactaacaat gtccttggc aaaccatgga gtctcacaat ctccgtgaaa acaaatcagg 240
cacatgggaa gccataataa cttgtttaca tggaataaaa tgagccaatt ctaaaaacct 300
atc 303

<210> 16397
<211> 367
<212> DNA
<213> Glycine max

<400> 16397

atcttgtaat cgattacaca agtcttgtga tcgattacta gaggagattt tcaaaaaata 60
atttccaaga gtcacatctg ttcaaattgg ttttgaatgg ccatcaaagg tctatttgta 120
tgtgacttgg aacacaaatc tgcttagatt ttttcagaac aaaaaggctt tatcctctca 180
aaagcaaaat tatcttatcc tcttaaaaat tccttggaca atacacttgc gattcaataa 240
ggaattattt tgagttctcc attgttcaat ctatctcttt caagagagat ttcttcttct 300
cttcacttta tttctaaaaa gggattaaga gatcgaggat ctcttattgt aaagcaatct 360
gaacaca 367

<210> 16398
<211> 339
<212> DNA
<213> Glycine max

<400> 16398

ttctatcctt gcccttgat atatgagagg gagctttgtg aactatgaat gaccattcc 60
ttgtgatata ggaaatgtgg ccatgctcac aaagcccgaa ctaatgcgta caacttctta 120

tcataagtta aataggtgag ggtgggacca ctcaactctc cactaaaatg agcaattgga 180
 tgggctctct gcatcaacac aacccaatc cgcacatttg aagcatcgaa ctogattacg 240
 aaaaatcctt gaaagattcg cgacgcaagt atgggggcaa taattaacat gttgcttaac 300
 aacattgaaa gcttcttcct gtttatctcc ccatttgaa 339

<210> 16399
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 16399

tcattttctta agaataatgg cctcatcgaa cgatttattt cctgaaggga attcaataaa 60
 tatacctcct attttcaatg gagtgggtta ccattactgg aaaaccgta tgcaaatttt 120
 tatagatgca atagatttaa atgtttggga tgcaatagaa gtatggcctt atattccac 180
 tatgggtggct ggaatttaaa ccatagaaaa gcctaaggaa gaatggactg aagatgaaaa 240
 gagattactg caatacaaca tagaagacac aaatataatt acgtatgcct tacgaatgga 300
 tgagtactct aaggtatcaa attgtaaaag tgctaagaa atgtgggata ccctacaacg 360
 tacacatg 368

<210> 16400
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 16400

tgtgtgtccg gtgtgcatga agtcatggac tctattatca atgggtgtta acctgggttaa 60
 tatgaatgcc aaatatggat ggagtgacaa aagcttcact atattgctta atgtaatgca 120
 acgtatgctt ccagaataaa acagatcgcc aaatagttac tatggggcaa agaagatact 180
 gtgtccgatg agtatggagt attagaaaat tcatgcatgc cttaatgatt gcatgctgta 240
 caaagatgag tttgaagata tgcataaatg ccctatgtgt gctgtatcac agtacaaagt 300
 gatagatgat acaaatatag cagtgatgaa agcatatacg aagaccccc tatgaagatg 360
 tgatggatc ttctatcat tccaagggtg aagcatctat tt 402

<210> 16401

<211> 377
<212> DNA
<213> Glycine max

<400> 16401

tcattcttgt tcactaaaga aaaagtatca gagaaatcga ttccatcttg atgagtatat 60
cctttggcaa ccaatgagct atgtatctat ccacagagcc atccatttta tatttaacct 120
tatacatcca gctacaacct atacaatgct tatcaggtgg taagggaaca agtgtccagg 180
tggaatttgc ctcaagagct ttgatttcct cattcattgc ctgacgccac tcaggatagg 240
gggcagcttg atgataaaat tgaggttcat atacaactaa aatctgggta atgagagctc 300
tgtaagggga gctaagagcc aataatgaac aatgatgctg gatcggatat gcaatcttag 360
atattggtgt aacatag 377

<210> 16402
<211> 380
<212> DNA
<213> Glycine max

<400> 16402

tgtgcattca atatccta at gaggggtgtc catatgttct caagactgga ctaatacatt 60
tgctgccccaa gtttcacggt cttgtaggtg aagatcctca taagcatctt aaggagttcc 120
ttattatctg ttccaccatg aagccccctg atgtccagga agatcatatc tttctaaaag 180
attttcctca ttctctggag ggagtgga aagattgggt gtactacctt tctcccagat 240
ccatctccaa ctgggatgac cttaagaggg tgttcttgga gaaattcttc cctacatcta 300
ggaccacgac catcagaaaa aacatttcag gcatcatgca acttattgga gagagcttgt 360
atgagtactg tgaaagattc 380

<210> 16403
<211> 393
<212> DNA
<213> Glycine max

<400> 16403

tcttatccaa ggcaattctt ggtggggaag ctcttcttct cttggcttat tccctagtgg 60
atggtgctc cctctctctc ttctcctttg ccttcogctg catctccatg gtgaaaaatc 120

accattgaag gacctcattg gagctcaaag atccagcctc catagaatct tcacaagcaa 180
gcttccatca cctcttttcc tgtacatgac tgtgttagac gagtctatgg gatgcgtggt 240
gggtcaacat gatgactctg ggaaaaagga acaagccatt tactacctaa gcaagaagtt 300
taccgcatgt gagatgaatt acacaatgct ggaaaggacg tgctgcgccc tgttatatgc 360
gtcacatcgt cttatgcagt acatgctcag tca 393

<210> 16404
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16404

ntaactaata tcttttttcta aagctcccat ttatctttat cagtatttga ttccaagtga 60
gctattttgtg aataactttt tcaaatcata taatataacc ttcagtatcc atatccgtgc 120
atgtcttttcg gaaaagagaa ataatatgcg cgcggacaca ttcatatatg aataaatcgt 180
caactttgtc cccgtgtgaa atatcgacga attagttcta aattttaaat ttaattatta 240
aatatgaaaa atgtaataaa ttaattatac aggtcattta atgataaatt aatctgggta 300
aattaatctt aaaaaatatt acttattctc aaattgggtct ttaaatatta taacaaaata 360
ataaaattat ctaacaaaat taacaataaa attaatttt 399

<210> 16405
<211> 375
<212> DNA
<213> Glycine max
<400> 16405

ttctttcttg tactgatcaa gacagttgga atgacgaaag ctagttccac acatataggg 60
acggcaaccc ttgtcatgag aagaacaaag aagaagaaca gcattgtgtg gatattccat 120
gcacacagaa catgtaacat cttcccactc tttcttttcc aaagccttag aacatttgtt 180
ttggcagagg tcctcacaaa tgtccctttt gcaagaagcc agtgggtatg gagtcactct 240
gaattgacga gaagcaatcc tgtgtcttcc cctgctacct tttgccattt ccgatattcc 300
aacagaatct ggaatttaaa ctgtcaaaat gttatcaagg aatctaaatg aaatgcattc 360
atatattttt tatgt 375

<210> 16406
<211> 377
<212> DNA
<213> Glycine max

<400> 16406

agcttggaga agggaaacca gaaaatcaga atcatgccat aatctttaca cgggggtgatg 60
cagttcagac cattgatatg aatcaagaca attattttga ggaggctctc aaaatgcgga 120
atctgttggga ggagttcaat atgtcctacg gtattaagaa accaaccatt ttgggggtcc 180
gagaaaatat cttcacggga tctgtttcct cacttgcacg gttcatgtca gctcaagaga 240
caagttttgt gacactgggt cagcgagttc tggcaaacc tttgaaagta cgaatgcact 300
atggtcaccc ggacgtgttt gacagattct gggtcttggg tcggggtgga gtcagcaagg 360
cctctagagt gattaat 377

<210> 16407
<211> 377
<212> DNA
<213> Glycine max

<400> 16407

agcttatgct acaaacatth ataataagacc cctcaacaa caaaaccaac aacaacagaa 60
taattatgat ctttcaagca atagatacaa tccagggttg agaaatcatc caaatctgag 120
atgggcaagt cctccacaac tacaacatcc tgccctcct ttccaaaatg ttgttggtcc 180
aagcaagcca tatgttcctc ctccaatata gcaacaacaa caacagtagc agcagtcaca 240
acaaagacaa caagcaacga ggctcctcct caaccttcct tataagagtt agtgaggcaa 300
atgaccatcc agaatatgca attttatcaa gagacaagat cctccattca gagtttgaca 360
aatcagatgg ggcagat 377

<210> 16408
<211> 431
<212> DNA
<213> Glycine max

<400> 16408

gtggagtttc caagtgccaa ttgcgtcctct tcttttttct attcttcttc tggcttcaat 60

tcatcagtg gctttccttc tgtgtccagc atcttgggat gttcctagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagttgc ttccatcaag aattggtggt ctgttactg gtccgtcttc tttctccatg 240
 ttcacagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tegtaccgga tgtcacgaca tcacgcttca 360
 taacatgcat attgtatgtg tccgtatgaa cagattgaac aagtttataa cacaacgaga 420
 attgtttacc c 431

<210> 16409
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 16409
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 agcaaaacgt tattgtcgtt tggattagtt cagagcttca gaattcaatt tcgatcgtct 120
 cgatatatta cgggtctcaa tcaaacatct gaggaaaaaa gttattgtcg tttgaatttg 180
 ctgagagctt caacattcaa ttttgagcgt ctcgatgtat tacgggactt tatcagacat 240
 ccgagttaaa agttattggt ggttgaattt actgagagct tcaacattca atttcgagcg 300
 tctcgatatt ttacgggact caatcagaca tccgagtga aagttattgt ccgttgaatt 360
 agctcagaga ttca 374

<210> 16410
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 16410
 tcagcttgag ctattcaacg acaatacgtt tgctctgtgt atgattgagt cccgtaatgt 60
 gttgagacgc ttgaaattga attttgaagc tgagagctaa ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtataa catcgagacg ctcgaaattg aatgttgaag 180
 ctctcagcaa attcaaacga caataacttt tttcctcaga tgtctgattg agaccgtaa 240
 tatatcgaga tgatcgaaat tgaattctga agctctgagc taattcaaac gacaataatg 300

atttgctcgg atgtctgatt gagtcccgta atacatcgag acgctcgaaa ttgaatgtcg 360
aagctctcag caaattcaaa cgacaataac tttttgctcg gatgtctgat tgaggctcgt 420
aatct 425

<210> 16411
<211> 376
<212> DNA
<213> Glycine max

<400> 16411

ttgttagaac ctataagttc aagagccaaa ggaatgccgg aagcaaaagt gattgcacgg 60
tttaatttat taatgaaatc tggatgaact ctgtcgggtc tgaaggcctt ccaacaaagc 120
aattcgagag cttcaccatt ggccaaaact tccacctcgt ataccttgct aaccccatgg 180
gctttaagca aatgtctgtc tctagtggta atgatgactc tgctgccagg gccaaaccaa 240
tcaagacttc caacaagagc tcgcaagtca tctatctcac agacatcgct aagaacaaaa 300
agaagcctct tcctggggag catcttcttt attagtgaag ctccttgctc gacacttgct 360
agacgaatat tggttct 376

<210> 16412
<211> 325
<212> DNA
<213> Glycine max

<400> 16412

tgctttgaat gctctattca atggagttga caagaatata ttcagactga tcaacacatg 60
cacaatggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
gaagatgtcc atattgcagc tattggccac ataattccaa aatctgaaga tgaaggacga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagaaaagg atgacatatg aatagctggc gagaaagatc ctcagatgct tgcctaagag 300
atttgacatg aaagtcactg caatc 325

<210> 16413
<211> 416
<212> DNA
<213> Glycine max

<400> 16413

gtaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa ggaaagctgg 60
agttgctgca caagatgtcc aacgttatgt ctaagaataa gatcgggctg cacaatgcac 120
aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtctgatata 180
atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat 240
ccacgatgtc agatacaatg tccaggacat cttgcccga aatactggag ttgctaaaag 300
cattgaagtt gcaggatcca cgatgtcgga tacgatgtcc attacatctt gcccgaaaat 360
actgtacata taaatctggt atatctttta cagattattg tgcagttagc aagaga 416

<210> 16414

<211> 430

<212> DNA

<213> Glycine max

<400> 16414

ctttcctttg gttgttctat tagggtttcc aagcgttaga gagaatgaga atagattgta 60
gtcttaatat cactgtcttc gtgcgagggg aatttctctc tctacagaca ttattttgca 120
aatccaaca gtgagaatct gcgaaaatga gtttcgaagg tggtagccaa attttaggac 180
aatctaacgg ttaatgagtt tgagatcgta attttactgg gataaatttg ggtgtatgcy 240
agaaaaaggg agggtttttg gagaggatag agagaatgaa tttgggagga aggaggagtg 300
taaagacata tcgtaattgt aaaaattgac ctaatctgtc tctatttata gctagggtat 360
tctgagacga ttattttttt ttttttttat aaaaatgaac tctattttac tctttcataa 420
aataaataac 430

<210> 16415

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16415

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ccatggaaca taatggtggt taggaccttg tagaattacc aaagggttgt aagagagttg 120

gttgtaagtg ggtcttcaag actaaacgta actctcatgg caaccttgaa cattacaagg 180
ctagacttgt tgctaaggga ttactcaga aagatgacat tgattataaa gagacctttt 240
caccggcctc acaaaaggat tctttcatga ttatcatggc attaatagcc cattatgact 300
tgagactaca tcagatggat gtgaaaactg cctttcttaa tggagattta aagaatgttt 360
gtatggacca accaatgggg 380

<210> 16416
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16416

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gcgaggattg gaacctcaac cctatgttct tttaaaagac tgcaatgaga aaattacaga 120
ggataggaat ccctggggga aaccaagaag aatacacaaa aataaaaaca tgcagcgact 180
tccttaattg ccccaaactc taagcgtagt atcgcttgac aacgctcgag ttcacgggtg 240
aagatagctc ctcgttatcc atgttggcga gcaccagggc ccctctagag aaatcccttt 300
ttacaatgaa aggaccttcg tagttcgggg cccactttcc catatgtctt ccagagcttg 360
ggagactttc ttcagcacca agtccccttc gctaaacctg cgcangcgta ccttcttgtc 420
agaagc 426

<210> 16417
<211> 383
<212> DNA
<213> Glycine max

<400> 16417

agctttggtc ctattcaaact agccataact tttgacatgg gggtagcatt gaggcccatg 60
atatatcgag aggctcgaaa ttgaaaaatg gaagttctcg agaaattcaa atggtcataa 120
cttttaactt ggatgtccga ttcacgcaca taatatatcg agacacacaa aattgaaaaa 180
tggaattctc gagaaattca aatgttcata acttttgctt cgaatgtcag atttaggcac 240
ataatatatc gagacgctcg aaattaaaca agaaagctct ggtccaattc aaacggccat 300
aacttttgac atgagtgtat gattgaggcc catgatatat agagacgctc gaaattgaat 360

aatggaagtt ctcgagaaat taa

383

<210> 16418
<211> 414
<212> DNA
<213> Glycine max
<400> 16418

agcttcaacc aggggagatg gaccatttca agtgcttgaa agaatctttg acaatgctta 60
caaagttgag ctgcccgggtg agtataatgt tagttccacc ttcaatgtct ctgatttacc 120
tgtttttgat gcacatggag aattcgattt gaggacaaat ctttctcatg agggagagaa 180
tgatgaggac atgaccaaca gcaagggcaa ggatccactt gaaggacttg gaggacctat 240
gacaagggct agagcaagga aagccaagga agctcttcaa caagtgtgtt ccatactatt 300
tgaatacaag cccaagtttc aaggagaaaa gtccaagggtt gtgagttgta tcatggccca 360
aatggaggag gactaaatga caccactttg gttcaatttt agagtgttta ctta 414

<210> 16419
<211> 425
<212> DNA
<213> Glycine max
<400> 16419

tatgctgcaa acatctacaa tagacctcct catcctttca gcaaaatcaa ccacagtaga 60
ataattatga cctctccagc aacagatata atcccagatg gaggaatcac ctgttagaca 120
aatggcctaa gttatcttaa gaaggggggg ttgaattaag ataacaagaa ctattcccca 180
attaaaattt tactctctct ttttagatta acaatgcacc cttaacatga attactcaaa 240
agacaattca aaataaactt ctttcaagcc aaagataaat agcaataaat aaaagaagtt 300
taaggaaga gagaaatgca aacttgattt ataccagttc ggtcacttcc tgtgcctacg 360
tccagtcctc aagcaaccga cttgagattt tccactctct ttgtaaaatc cttttacaaa 420
gtctg 425

<210> 16420
<211> 429
<212> DNA
<213> Glycine max

<400> 16420

taacaatcct tgtgatctat tacaggatat ttctattcct atcacatagc ttgcatcact 60
catatccttc atttcaaagt tactagaaag aaactttcta gtctcatgaa gaagaccaag 120
atcattagtt gcaacaatat atcatcaacc tacaggatta gaaaataacc ttactcccac 180
tgaccttcag atatatacac cgatcaacag tattttcctt aaatecaaag gaaacaatgg 240
tatcattaaa cttcaaatac cattggcgag aagcttgctt aaaaccatat attgatttct 300
ttaatttgca caccatatgt tcctttccct caactgagaa cccattgggt tgatccatat 360
aaacattctc ctctaaatct ccattaagaa aggcaatttt cacatccatc tgatgtagct 420
ccaagtcac 429

<210> 16421

<211> 453

<212> DNA

<213> Glycine max

<400> 16421

taggacactt aaatctcagc ttccatatat ctctcccaag agaagcgggc atgtaactta 60
tggtgacaac aacaaaggta gaaagaattc ttggagttgg aaaaacaggt acaaattatt 120
caaactccat tgaaaatggt ctacttggtg aaggccttaa gcacaacttg cttagtgtta 180
gtcaattatg tgataaaggc tatctagtat catttgattc tcaaaaatgt ctcatgaac 240
ataaacatga tactaatata aaacatatag ggtatagagt caacaatggt tatatgatag 300
acataagcca aaaattagat aataataaat tttttcttag caaagatgat gatccatggc 360
tatggcataa acgtattgct cacataaaca tgaaacactt aaataaatta atttcaaaag 420
atttagttgt tggtttgctt aaattgaaat ttg 453

<210> 16422

<211> 381

<212> DNA

<213> Glycine max

<400> 16422

agcttgaagg caaactggat gcgttggtca acttggtaac ccaactggcc ttgaatcaga 60
aatctgtacc tgctgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaaacttat gctgcaaata 180
 tttaaatag acctcctcaa cctcagcagc aaaatcaacc acaggagagc aattatgacc 240
 tttccagcaa cagatacaac cctggatgga ggaatcacc tagccttaga tgggccagcc 300
 ctcagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360
 catacattcc tccaccaatc c 381

<210> 16423
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 16423

atggccccct gcattcagaa caaaacccct accatggatg cagagacggg aagcaaactc 60
 ttgaggatca atcctcatcc tcgtaaatct ggaataggta ggcagtgtct caccctcctc 120
 taaaactatt ggggtttcaa agaagggtatt taggctgtca gcatcaatct tgattaagtg 180
 tcctgatgca atcctacccc gcaagggcat tggatagaaa actccaagta gattgggcca 240
 aagatgcaag agaaggccct agggttctta tgagccttaa ggtagatttc gggcccatgg 300
 gctaagtatg agcccactta tctttgtaaa tattagatta aggtttcatt atttttgggc 360
 cttgtattta gggctccata atgtaagtag ggtaccctag aaatatagga tgtttcagcc 420
 ctt 423

<210> 16424
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 16424

agcttgtatc aaattcaaac gacaataacg ttttactcgg atgtttgatt gcgtctcgta 60
 atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120
 ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180
 gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240
 taatatattg aggagcacga aattgagaac agaagctctg accataatca aaccaaata 300
 actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360

cagaagctct gaacaaattc

380

<210> 16425

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16425

cttgagccaa ttcaaacgac aataactgtn tactcgaatg tctgattgag tcccataata 60

tatcgagacg gtcgaaattg aatggttgaat ctctgagcaa attcaaacga caatagcttt 120

ttactcggac gtctgattga gtcccgtaac atatcgagac gctcgaaatt gaatgttgaa 180

cctccgagac aattcaaacg acaataactt tttagcgga tgtctgattg attcccgtaa 240

tatatcgaga cctcgaaat tgaatgttga agccctgagc caattcaaac gacaataaat 300

ttttactcgg atgtctgatt gaggccccgt aatatagcga gacgctcaaa atggaatgtt 360

gaacctttga gccaatcaaa acgacaataa ccgttttact cggatgtctg atggagtccc 420

gtactatatc 430

<210> 16426

<211> 352

<212> DNA

<213> Glycine max

<400> 16426

agcttattct gcaaacatta ctaatacacc tcctctacag caaaaccaat aattgcataa 60

taattatgac ctttcaagca atagatacaa tccagggttg aggaatcatc caaatctgag 120

atggacaagt cctccacaac aacaacagat tgtgcctctt ttttagaatg ctgtctagac 180

aagcatgcca tatgttgctc ctccactaca gcagcagtca catcaaagac aacaagcaac 240

tgaggctcct cctcaacctt tcttagaaga gttagtgagg caaatgacca tacagaatat 300

gcagtttcag caagagacaa gaggcttcat tcagagtctg acgaatcaca tg 352

<210> 16427

<211> 424

<212> DNA

<213> Glycine max

<400> 16427

tgaccctggt gtaagaggggt aaaaagtgaa agttaatctg ttgcaccaac aaagttcttc 60
aaggaccaga aaaaaggtac catatgattg aaatcttgct gtagcattga tcaactcatc 120
tagaacgttt agaccgtatt tccaaaacca ttatattaaa gtgataattg atcatcccat 180
tcaacgagta aagagaaaat ctaagcttac aagtacaatg gtagcgtgga tagtcgaact 240
ttttgagttc ggtttgaaat ttgagccaag aggtgccatc aaagggtagt acttggtcga 300
cttcatggac gagctacttc ccaatgaagg ctacaacgaa cgttagtga cattatacat 360
tgatggaact tctaacaaca atagtactgg tgttgggggt actctgatag gaccagatgc 420
catc 424

<210> 16428

<211> 369

<212> DNA

<213> Glycine max

<400> 16428

tgcttggtgc tacaccgctt tgcactggat aactttttct ttaattattt tttttatata 60
gaagtgttta actggaatta gaatatttga tgtataatgt ttggattttc tttgtataag 120
tattgagaac tctgtttggt tatgattatc aggcaagcaa aggatgttgt taaaggatata 180
aagaagcgga ttggaagtaa aaattcaaaa gttcaacttc ttgcactaac tgtaagcaag 240
agtgttgtaa tacaaccttt tttctcttaa actctgttga tggcattgat ctaaattctt 300
tttgtatcta agcatgtttg cttcaattgc accattttga ctttctaaac tttacattct 360
tgactgatt 369

<210> 16429

<211> 374

<212> DNA

<213> Glycine max

<400> 16429

agcttgagtc ctttaagctt agaaactata tgagacattt ccatgatgta ctctctaatt 60
tttttcccgt tatactttat ggaaatcaag tgggtgtagca atgtacttgt ttttgcctta 120
tcgctttttt caaagcattt ctctagttta tcaaggaaat ccttagcatt ggtgatccct 180

tcggtcattg cacccttaaa ggattttgga atgccacact acaatcttgg tttttatatt 240
 ttgttgaaca aatgggtctca gttatcttaa gaaggggggg ttgaattaag ataacaagaa 300
 ttattcccca attaaaaattt cactctctct ttttgatta acaatgcacc ttcaacatga 360
 attactcata agac 374

<210> 16430
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 16430

cagcttgcca ccataggaag ccatggataa gagcttgatg gtatgagaag atgaattgag 60
 ggagagggga agaaggagca cgaaattttg tgcctcaaaa gaggtttgaa ctttgaattt 120
 taattttcaa atgattaaag ttcaaaaaaa ggtacacaca tgacctctat ttatagccta 180
 agtgtcacac aaaattcgag ggatatttga attttacttg gatttgaaat taaatttggt 240
 gagccaaatt ttggaaccaa aatttcacta attatgatta gtgaatttta gttatggttc 300
 agtccactaa tccaagatca agtccaagat tttccactaa gtgtgcttag gtgtcatgag 360
 gcatgtaaag catgaaggac atgcacatag tgtgactata tgatgtggca atgggggtgta 420
 gcaagcaaatt gtt 433

<210> 16431
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 16431

tctagatcta tttcattcca gtgtgaattc accgatggtc ttacatgcct atcaattttt 60
 atttggttag tcttcgaacc acatcatact ttgagagagg tatgctctga taccacaaaa 120
 cctactcaca cataatgtct ggttgctttt aggattgttg gttgttccca taaattaata 180
 taagactttt tggtatgttt tgtccacact tactaaaaaa acttctcaga aggtcaccca 240
 tcccataatt actttaagct aaccatgttt gactatagag ttcttaagtg atggattacc 300
 gaaaaatata ttcatctcgt tagtataggt aatactaatt aatttctaag ttatcctcaa 360
 ttgtgcagtt tcatacttac accatcttta gatctctctt attctgaggt gcat 414

<210> 16432
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 16432

tagcttttatg catatggaat caaaatataa caaatgacat gtatctcatg tcaaaaaatt 60
 ttttacactt cttcttaaga atttcctatt gacaatttaa ggtaatatta tccattacga 120
 aattctccat tgagtcagtt caatggtcac attcatatgc acataattta tatatgtaaa 180
 ttaataaatg agatctatta atgttcattc aatgaatact atcacatatg tcaatctatc 240
 caaattatta atgtcatatt cataataatc ttaggatcaa gaacaattaa aattaaaatt 300
 atgagagact tttttctcat tttcataatc tctattatga taacaaatct ttaattttaa 360
 tcaaggacct tatca 375

<210> 16433
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 16433

agctttttctt ttagcaaagc aaaggcttgc tcttggtttt caccacaggt aaatgccaca 60
 ttctttttca ctagctcatt gagagggtgat gcaattgtag agaaattagg aacgaacctt 120
 ctatagaagc ttgccaacct atggaagctc ctaatatctc tcacactttt taggggtgggc 180
 cattcttgga tggccttgat tttctcaggg tccacttgga cccattttct accaactaca 240
 aaccctaaga aaaatatatt atctacacaa aaagtacact tctctatatt tgcataatagg 300
 gtattttttcc taaggactga aagaacttgc ctgagatgtc ctaagtgatc atctaggctc 360
 ctactatata ctaaaatata 380

<210> 16434
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 16434

agcttatgct gcaaatatct acaatagacc tcctcaacct cagcagcaaa atcaaccaca 60

gcagaacaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcacccctaa 120
cctcagatgg tctagccctc agcaacaaca gcagcctgct ccttccttcc aaaatgctgc 180
tggcccaagc agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca 240
gccaacagtt gaggccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat 300
gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat 360
gggacaattg gctaccaat tga 383

<210> 16435
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16435

ntgaatgctc tattcaatgg agtggacaag aatatcttca gactgatcaa cacatgtaca 60
gtggccaagg atgcttgga gatcctaaaa atcactcatg aaggaaacctc caaagtgaag 120
atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180
tgcattcatg acttccacat gaacattctt gaaattgcc atgcttgcac tgccttgga 240
gagaagatga cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360
ctcattgggt cccttcaaac ctttgagcta tgactctcgg atagggctga naagaagagc 420
atgaatctg 429

<210> 16436
<211> 376
<212> DNA
<213> Glycine max
<400> 16436

ttgtctttca agtttttaag ttcttctca gaactgtcct aagcaaagtt cccaaagtcc 60
tattaacaac ttccgtttgc ccatctgttt gtgggtgaca agtggttgaa aataacaatt 120
tagtgcccaa cttgtccac aaagtctcc aaaaatggct tatgaactta tagtccctat 180
cactaacaat gtccttggc aaaacatgga gtctcacaat ctcttgaaa aacaaatcag 240
ccacatggga agcatcatta acttttttac atggaataaa atgagccatt ttatgaaacc 300

tatcaacaac cacaaaaatg gaatctctac cattgcttgt ttttggcagc cccataacaa 360
aatccatgga ttaatc 376

<210> 16437
<211> 417
<212> DNA
<213> Glycine max

<400> 16437

gtgagcaaat tcaaacgaca ataactttta actcggatgt ccgaataagt cccgtaatat 60
atcgagacgc tcgtaattga aaactgaagc tctgagcaaa ttcaaacgac attaacattt 120
gactcggatg tccgattgcg tcccgtagga tatcgagacg ctccaaattc aaaacggaag 180
ctttgagaaa aatctaacga taataacttt taactcggat gtctgatcga gccctgtaat 240
atatcaagat gctcgaaatt gaaaacggag gctctaagaa aagtcaaacg acaataactt 300
ttgacttgga tgtccgattg tgtcccgtag gatatcgaga tgctcgtaat tgaaaacgga 360
agctcggaga ataatcaaac gacaataact cgaaattctg ataccagggg acagatg 417

<210> 16438
<211> 398
<212> DNA
<213> Glycine max

<400> 16438

atagctctag aggcgagctg ccggctttct ctcttgaaat tgaacaacaa aagctgtcga 60
gatattcaaa atggtcataa cttttaactc ggagggtccga ttcaggcgca tcacatatat 120
atagctcga gattgaacaa cataatctct cgacatatat atatagtggg aacttttaac 180
tcggaggtcc tatttatgca catcatatgt cgagacactc gaaatcgaac aatggaatct 240
cttgagctat tcaaattggtc ttaacttttg actcagaggt ccgatgcaag cgtgtaatat 300
atcgagacgc tcggaattgc gcaaccgaag ctactgtgaa ttgaaaatgg ccgttacttt 360
tcacttgag gtccgatata cgcgcataca tatttaga 398

<210> 16439
<211> 378
<212> DNA
<213> Glycine max

<400> 16439

agtcacacaa gttacccagg actacgtagg tctgaattcc tcatttgagg atacatagga 60
gcaagagcct cgcttttgtc ggccgccccca caatttctgt catactgaca ctggagtcac 120
gtgacatgcg gagataccca agtggttgtc cgcactttca taaacattct tttgctatct 180
gtaggacaga aagcctgata gcatgcagag actaacatcg tcttctgcac ccttcgtcaa 240
tcgcggccca acaagcccgt tgacatgctg agatttacgt catcttccgc gtcacaaga 300
tctgtcatac tgacatttga gtcacgtga cggacggaaa taccgagtg gttatccgtc 360
taaacattct tttgctat 378

<210> 16440

<211> 382

<212> DNA

<213> Glycine max

<400> 16440

agcttgacgt ttatctcaaa attgcaaaga catgaccttg tgagagggtt accaaggatg 60
tcatacaaag atgaaacaaa ttaaaacctc tttttcaagc aaaaactttg tttcctcaag 120
accacttgaa ctattacata ttgatctggt tggctacaat gaatgactac attagatgga 180
catgggtaat gttccttgct cataagaatg agtccttga ggtattcttt aaattttata 240
aaagagctta aaatgaaaaa aaagtatgct ttacttcaat tagaagtgat catggtggag 300
agtttgaaaa tgagaacttt cgtctattct atgaagaaaa tggaactttt cataatttct 360
tcatgtcata ccctaatttc at 382

<210> 16441

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16441

ntgtatggta gaagggtgtag gacaccoccta tgttggttat agcccggaga aggcctcacc 60
ttatgaccag aagtggtaga gcaaaccact gagaaagtta agttaattca ggaaaggatg 120
aaaactgttc agagtagcca gaaaagttat catgataaga agaggaaaga tctggaattc 180

aaggttggtg atcatgtatt cttgaaagtc actccgtgga ctggggttgg tcgagcattg 240
 aaatctcgaa aactcacacc tcgcttaatt ggtcctttcc aaattcttaa gagagttggc 300
 cctgtggcat accaaattgc attacccttg tctctttcta atcttcacaa tgtctttcat 360
 atgtctcaac tccataagta tatctgtgat ccatcccatg tgattgaatt ggatgatgta 420
 caagtga 427

<210> 16442
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 16442

tgcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatatcttaa gaaggggggg ttgaattaag atattccaaa ctttttttcc ctaattaaaa 120
 atctatctta ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
 attcaaata agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360
 cacacaagga caaccc 376

<210> 16443
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 16443

tatgagcatg aaacctttct ccaccaaccg agatagtaac atctaattgat tcctcatcct 60
 ctaacaacat cccaaaatgt tcaccaatat cagattcagg aacctgtatt gtgtttaact 120
 gagaagaatc tatggacgac actaaaaccg caatagtgcg atttatcttc aagcagtcac 180
 ccttgagaaa atttgacgtc tcaaggtgtc tccgtttgaa aaaccgcgta tagcccctat 240
 tacgcaacaa gtgcatcatt gatcactata tacgtaatgt acaccacaaa aaatggatac 300
 aagagctaataaatcatgat gatatccaaa tcatatcacc aaaatcaciaa ggttctctag 360
 ttccttttga aatttaattt ttatgtctta tattctaata aaagagctat ctctttaacc 420

cctgacaata g

431

<210> 16444
<211> 417
<212> DNA
<213> Glycine max

<400> 16444

ctgaatggag gctctgatct ctgtttgaaa ctgcttagtc attgtcctca caagttcttc 60
aaggggaaggt tgtggagggg cctcaactgt ttgatgtttc tggggctgtt gatgttggtg 120
ctgtcggatt gctggaggaa cgtatggtct gctcgggcta tcagcatttt gacaataagt 180
ctgctgttga tgctgctgct gctgtgaagg atccgaccat ctaagggttg gatgattcct 240
ccatccggga ttgtacctgt tgctggagag gtcataatta ttctgttggt gtctgtgtgg 300
ttgccagcat aggagcataa accacagagt ctggcgacag gcgcagatta ttgattcatg 360
gccatttggg ttaccagggt aaccaaggca tctagtttac cttcaagctt ctagtc 417

<210> 16445
<211> 360
<212> DNA
<213> Glycine max

<400> 16445

acacataaac atgtatagaa agttaataa attaagaagt aatagggtcaa ataataaatt 60
gaaattgaga cgaaaattaa gtatcatttc agaattcaac acataaaaata cttttatatg 120
cactctttag tttaattatt tattaaccct tttaaattga aaataatagt aggttaattg 180
taatattata caacattatt gtgtcaatgt aaatattaat attgggggaa gtgtatatga 240
ttcatgaggt gtgataacat gttgcgctaa gattataaca ctgtgattga gaatgagtga 300
atgtgataaa cgaataatgt ttgaatcgga agatatatgt gtactgagat tttatatgca 360

<210> 16446
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16446

tctctcagca actntgactg caaaacttca caggtgctac atggcttctt tgcaagtgac 60

aagacaagct ttggcatctg agtctcagag aacaccaccc tcagtgc aaa atgcaacaac 120
ctccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt 180
gttgccacat aagagaccag aggaggagca agagtcagag gcaaatacgg gtgtgaaaag 240
ggttaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga 300
gcaaatgatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc 360
ccangccctc taattgaatg tgcatgtttt tgagctgaat ctaaagtcac aa 412

<210> 16447
<211> 340
<212> DNA
<213> Glycine max

<400> 16447
ttcatgctat tctgtacggg taaagtctca cgattgtcac atgtcgatgc aacaatgggt 60
attcgtggct atacaagaca tcttgccaaa caaagtcaag ttagccataa ctgcctgtg 120
cttcttcttc catgccatat gtagcaaagt cgttgatcct gtcaagcctg atgaattgga 180
aatgatacc gcaattatac tatgccatgt ggagatgtat tttcccctg ctttctttga 240
catcatgatt cacttgattg tgcatttggg catagaaatc aaatgttgag gtccctgttca 300
tttgcgagg atgtaccggg ttgagcgata cttgaagatc 340

<210> 16448
<211> 413
<212> DNA
<213> Glycine max

<400> 16448
tcgcacttga taatggatac acatgaacag cgctaataca tgacattcat ggtgctccga 60
ataaagggtg agtatggagg attgccttga gggtcctctc ttatgcaatc atggaacaca 120
gctccaaact cgaaagtgga ggacacatga acaaccctaa gcaataacat tcatgtggct 180
ctggaacacg atgagaatgg aagattgact tgacggctct ctcttaggca atcatggaac 240
acagctccaa actcgaaagt ggaggacaca tgaacagccc taagcaataa cattcatgtg 300
gctccggaac cggatgagaa tggaagattg ccttcagggt cctctcttac gcaatcatgg 360
aacacagctc caaactcgaa agtggaggac acatgaatga caacgcaatt caa 413

<210> 16449
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16449

tgaaggtagg agaagatgag tgaaggaga gggatagaag gagcacgaaa ttttgtgct 60
 caaatgaggt ttgaactttg aagtgttaatt ctcaaatgac caaagttgaa aaatgcacac 120
 acatggcctc tatttatagc ctaaggggtca cacaaaattg gagggaaatt tgaatttcta 180
 ttcaaatttc acttgaattt gaaattgaat ttgtggagcc aaatttagga gccaaaattt 240
 cactaattat gattagtga ttttagctat ggttcagccc actaatcaa gatcaagttc 300
 aaaattctct actaagtgtg cttaggtgtc atgaggcatg taaaacatga aggacatgca 360
 caaagtgtga ttatatgatg tgacaatgag gtgtaacaag caaatgctca cc 412

<210> 16450
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 16450

ttggttgtca tgatgaatta gattcattgc atagtaatga taacagaaac tttattgtca 60
 tacaagactt tcttagtaca ttagaagaaa ttcctagttc cttgagcatc cattgcaaca 120
 aaatccttca tatataccat tggccaaagc cctaaattct gcttcagcaa tgcttctagc 180
 taccacaatc tgcttcttgc ttctccaagt aaccaagttt cccctcacgt gatataatat 240
 ggatgaaaca ccaagataca caagtaaaca gatgaaaaat aaatccaaat gtgcagctag 300
 acaacttgca tgtgactact attactaatt tactatgcac atatgtaaag atatattcat 360
 tattcaacat aaacatatcc cccaccccc cccaccccag aagaaaatgt actacaaggy 420
 aaaggtatac catta 435

<210> 16451
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 16451

ntgcgattcg ggccagacgc cagtgtcgag gacatcgatg acgacgtcgt gtgaggcctg 60
gtggaggtct tgccagaagg cggaatgggc ctggaggccc aggaactcgg ggggtgcgagt 120
gggtgtgaagc gtgtagcgcg tgtcttcgta gacggccaag acggaatggg aagctcgaag 180
cgcggtgggct tgttgagggg cgagagtggc agcgaagccg ttgtaagcgg cggtgtaggc 240
atagaggaga gagtctggag aagaatcgag tgtggcagtg taccagtcac ggtgcgtggg 300
gtgcacggtg gaatcgtggc ggtgtttcat gtgtactatg taagtcttct tggtcgcaga 360
tagtagtggt agttggagga gaaagaatga gaagaaggaa agggaaattg atgac 415

<210> 16452

<211> 435

<212> DNA

<213> Glycine max

<400> 16452

taatactcat aatcacatct ataggactaa ggtcctttat attttaatta ctagataaga 60
aagacttcac atcatttatg aaatgcatac cactaccaa tatcaatatg tcatccacat 120
tcacacattt atcattatta ttgatttgaa aaccatacaa aagaacaact tgatcaaact 180
tttcgtgtca ttactttgga gcttgtttca aatcatataa agatttacca agaatctata 240
agtagtacta tgcaaagaat atccaacaaa aacataatca acagtctttg gtccaatttt 300
ccttttctta ttaataggga tggttaacctt tgctagacac ccacacactt taagatattt 360
tagatttgat tatctttttc tccatagctc aaaaggggta ttttttaaaa aataattata 420
aggtaccata ttaaa 435

<210> 16453

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16453

tgcttcgaaa cctcacggga ttaaaaagtt gaaaatttca tatgatgatg ctttgctaag 60
gctggaaaga attccagatg ttattggcat caatgatgct ccaagtgttg gtgaagataa 120
tcctgaagtt tggcatgttc aggtaattag ttatctaata atgctgaata aatattttga 180

ttttctagaa gcaattatTTt tctcattttac tctaaaatga aattatcgat tatgtctact 240
 ttggaatgta gatatttcgt tcaattgatt caaattccgt taaggggttt ccaaaggatc 300
 caaaagatgc aacgagcaag gtgaatgaaa agccttgtgt ttcaattntt gtttgtcaga 360
 cttggttttaa cctatcaaac c 381

<210> 16454
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 16454

aacttatcac actgagctcc gattcagtct tacaatatat tgagaccctc gaaattaaac 60
 atcggaagct ctcgagaaat tcaaattggc ataacgtttc acacgaaggt cagattcagg 120
 cacataatat gtcgagatgc tcggaattca accacggaag ctctcaagaa attcaaatgg 180
 tcataacttt tcacacggat gttcagattcg ggcatataat atgtcgcgat gctcgggaatt 240
 gaaccacgaa agctctcgag aaattcaaatt ggtcataact tttcacacgg atgtccgatt 300
 cgggcgcata atatgtcgag atactcgaca tagaacaacg aaagctctcg agaaattcaa 360
 atgggcataa catttcacac ggatgtcaga ttcggcacat aatatgt 407

<210> 16455
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16455

aacatctcca gtgttaattt tgcccgaccc taagagacca tttgaagtgt attgtgatgc 60
 aagcgggcaa ggcttggggg gtgtgttaat gcaagaggga agaatagtgg cttatgcttc 120
 acgccaattg cgtcctcgtg aagttaacta tccgacccat gatttggaac tagcagctat 180
 ggtctttgcc ttaaagattt ggaggcatta tttataccgt actgggttttg aagttttcag 240
 tgatcacaag agtctcaaatt acttgtttga tcagaacgaa ctcaatatga ggcaatgaag 300
 atggatggag ttccctcaagg attatgattn tgggtctttcc taccatcc 348

<210> 16456

<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16456

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cgacaaatgc aaaacttccc tttctatgac aaacctatgg taattgttag attacactta 120
tctagtattt attattacac cgaaacttat gattctgatt catatgtaat tacctaattgg 180
taatcaactt atagtgtgtg tgataatttc ttacagttc tgttcataac tctattatat 240
cttgtaccaa actttnggaa ccatttctag taaccaatgt tatcttactg ttcttttccc 300
cttttatctt gtatgttcta gattctctta cttggctact agggatttat gttcgtgccc 360
aaaaaatac 369

<210> 16457
<211> 414
<212> DNA
<213> Glycine max

<400> 16457

tgtgaaggaa taccttgaag ataattccaa accattagta attgaccgta actttgtgat 60
tgatgcgcta ccttcgggaa aaatcaatga ccttcgcaaa aatataaagc tggtaatggg 120
cgttggggtt gcaaaggagt gctacgaggt gtactgtaac tggaggaggg aaagcttaaa 180
ggagtgccta ataaatttat taggcttgcc agagattaat gtggaggaga aaagtagatt 240
gttgggaattt gaaaattaca ttcttagaag acgtattgag gctatccagg tcgctcttgg 300
aacactaatt ccagtgagc gacgactctg tgatagcgtc ttccaggggt tctcttatgt 360
ggctgatctt tgtttcactg atatttgctg gggaacctca attcaattgc tgaa 414

<210> 16458
<211> 370
<212> DNA
<213> Glycine max

<400> 16458

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ctggcgccat gaagcttgaa cccaaagctt ttggtggcaa atttctgct caggtagtc 120

tctttcattt tctgtcttaa ttaaattatc ctgatcctgt cgttgattaa tatgctgatg 180
gctcatggct aacaccttca ggtgcggttc aaaattgctt ctgatttgtt tccattaccc 240
gaaagcattt tcaaaaaagc catcaaggat aattataatg aaaagcacia gtgcagaaca 300
gaacttaccg ttagacaagt aagaattaaa tgtaacctct ggtggcctgt ctgtctgttt 360
ctatcattct 370

<210> 16459
<211> 368
<212> DNA
<213> Glycine max

<400> 16459

agcttgtaga aacaaaaaag tgcaacacat ttgatatagt ttataggctt ctgaagttgg 60
ctctagtctt gccagtagca agtgcaagtg tgaaacgtgt tttttcagct atgaagtttg 120
tgaagagtca actatgtaac aaaatggatg atcaatgggt aaataatcgt cttgtaactt 180
ttatagaaa agatgttctt ggaacaatca acaatgaagt tatttttagct ctttttcaa 240
aaatggatag tagacgattt ttattgtaaa tacatttcct taaacaacat tatttcttat 300
tttcaatata ttttagtcta ttagttcttt tatattttac ccacactgat atttattgtc 360
tggatccg 368

<210> 16460
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16460

ctcncactcg ataatggaga cacatgaaca gcgctttgca atgacattca cggagctcca 60
aataagagag gtatattgag gaatgtcttg agggctctct cttatgcaat catggaacac 120
agctccaaac tcgaaagtgg aggacacatg aacaacccta agcaataaca ttcatgtggc 180
tctggaacag gatgagaatg gacgattgac ttgaggggtcc tctcttaggc aatcatggaa 240
cacagctcca aactcgaaag tggaggacac atgaacagcc ctaagcaata acattcatgt 300
ggctccggaa ccggatgata atggaggatt gccttcacgg acctctc 347

<210> 16461
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16461

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 tctgatctta atattgtctt agtttctcaa gttgcacagc cttctgatgc tcctttgcag 120
 ttttcaactt ctttcctttc ttttgctagt gtttcaaag gaaaaaatga gggtttggat 180
 gttggaatct cacgtgagga tgagatggag gaagaagctc ctgagacaag taacaacaca 240
 actgaactta ttttaagaag cnttggcggg tttgcgatta actcaaacc taacccatca 300
 atgcctaaga caaatccttt tgggggttca ttttaataatt tagcaacaag tttatcatgc 360
 tctacagtta ca 372

<210> 16462
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 16462

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 tattaagaac tagctccttt cctcctctat tgcctttagt tgaataaacc tttgtttggt 120
 tctctatttg gttcttaacc ctctcatgca acttcttcac aaactatgac ctacattccc 180
 cttctttatg tataaaagaa gtgtcaagt ggaagggaat gaggtctaag ggtgttatgg 240
 gattgaacc atagacaacc tcaaaagggg attgctaggt ggttctatga acccccctat 300
 tgtacgaaaa ttttcatga ggaatatact catcccaaga cttatggttg ccttttagaa 360
 gagcccttaa aagggtggat aaagacctat tcactacctc tggttgcccc tta 413

<210> 16463
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16463

ttgaaatggt agattctcag actcggatta tggatgccac agctggagac tgaatgttga 60
 tttgttatgt gtgcatatat agtcagttct tgatgtaaat ttcattcttt aggtatcatc 120
 ttattggaga ttttaacatt ttatatgtac agtctagcaa ttttaacagc atatctcttg 180
 tagggctcat gttāgactac aaagāagtta ccctatctca ctttagttnt gctagcttct 240
 ttctgatggt caacactggg actttatgtc catattgatg ttttgcttcc ttttggtatt 300
 tgagagaagc aaaatttgat ctaacttcta ttttaaccaa agatataagc ctctcatgga 360
 aaaactctct atggggttga tgtactttga tcttaaaca gcgtccaaca tatggttacc 420
 tggttgg 427

<210> 16464
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 16464
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 ttgctgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatct gctgagtatg taaacatcag tgtatactgc ttcagcccag aatgtgttat 180
 gtagtccctt cttcatgagc ataaatctag ccctctccat aactgtgcga ttctttctct 240
 cagacactcc attttgttga ggagaatatg cgactgtaag atggcgctca atgccttcat 300
 cctcacataa tctatcgaac tcgcgagagg tgtactctat gtcgcgacac tgcttaatac 360
 tttatcacct ttcactttga ttttaacaag ggccttgaac tgttagaata 410

<210> 16465
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 16465
 agcttaaaca ttcaacttcg agcgtctcga tatattacga gtctcaaaca gacatccgag 60
 taaaaagtta ttcgtttgaa tttgctcaga gcttcaacgt tcaattttga gcgtctcggt 120
 atattacggg actcaatcag acatccgagt aaaaagttat tgtcttttgg attggctcag 180
 agattcaaca ttcaatttcg agcgtctcga tatatcacgg gactcaatca gacatccgag 240

taaaatgata ttgtcccctg aattgggtca gagcttcaac attcaatttc gagcatctcg 300
 atatatgacg ggactcaatc agacatccgt gtaaaaagtt attgtgcggt ggattggctc 360
 agagcttcaa cattcaattt cc 382

<210> 16466
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 16466

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 ctctaactaa gttgactcgt aagaatgaga aatttgtctg gaatgagaag tgtgatcaaa 120
 gtttccaaga gttgaagagg cggttgacaa cagctccagt gttagttttg cccgacccta 180
 agagaccatt tgaagtgtat tgcgatgcaa gcgggcaagg cttgggggtg gtgttaaatgc 240
 aagaggggaag agtagtggcg tatgcttcac gccaatgctg tctcatgaa gtaactatc 300
 cgacccatga cttggaacta gcagcgggtg tgtttgcttt aaagatttgg aggcattatt 360
 tatacggtag tcgttttgaa gttttcagtg atcacaagag tctcatatac ttgttcgac 420
 ag 422

<210> 16467
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 16467

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 cttgtttgac aagtggcctt agaaatctta agaatggggg gttgaattaa gattatgctt 120
 actattcccc caattaaaac ctactcagat ttttatgcaa gttctgagtt ccctttataa 180
 taaatgactt agatgatgaa tcaaatgagc aaactgaaat gagactaata aacaacagct 240
 aatataagag ataaggggaa gagagaatgc acaaccagat ttatactggt tcggccacac 300
 ccttctgcct acttccagtc tccaagcaac ccgcttgaga gtatcactat ctttgtaaat 360
 tctttactag tattgtacca cacaacgact ttctgatgaa aatcctg 407

<210> 16468

<211> 385
<212> DNA
<213> Glycine max

<400> 16468

taataaatgt atatattggt tagaacaagc ttcccgtcag aggtacctta agtttcatgg 60
gataatttct tcatttggtt ttgatgaaaa ccccatggat caatgcatat accacaaggt 120
tagtgggagt aaaatatgct ttcttggttt atatgtagat gatattttac tagcagccaa 180
tgatcggggt tcgctacatg aggtgaaaca atttctctct aagaattttg acatgaagga 240
tatgggtgat gcatcttatg tcatcggcat ttacattcat agagatagat ctcgaggat 300
tttatgtgta tcacacgaaa cctatatatga caaaattcta gaagagatat cggatgaaa 360
attgtcacca actgttgccc ccatt 385

<210> 16469
<211> 351
<212> DNA
<213> Glycine max

<400> 16469

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tgtcttatga tagacaatga cttggaattc tattctacga aattcaatga attctatcaa 120
gattaaggca tcacaagata gagtaactta cgctatactt tgtctcaaac tggagtaact 180
gatagaataa actagaccct attggaaagg ggcgaatata ttctatccaa tgtaggagtt 240
gaataggagt gtctgggctg aaacattcaa cgcaacatac tatctcaaga atcattcacc 300
atgcactatc ataaatttta gaactcgtag tgaagaatgg tctaacaac t 351

<210> 16470
<211> 412
<212> DNA
<213> Glycine max

<400> 16470

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aagacaagct ttggcatctg agtctcagag aacaccaccc tcagtgcaaa atgcaacaac 120
ctccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt 180

gttgccacat aagagaccag aggaggagca agagtcagag gcaaataggg gtgtgaaaag 240
 ggtaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga 300
 gcaaatagatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc 360
 ccaggccctc taattgaatg tgcattgttt tgagctgaat ttaaagtcac aa 412

<210> 16471
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16471

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 aattgtggca aaagttttgg ccaagaggct ggccattgta ttacctcatc ttatagatga 120
 aaggcagacg gcttttatga aggggagaca catccttcac ggtgttttga ttgccaacga 180
 ggcttttagct gaggccaagt ctagaaataa accttgcatg gtcttcaaag cggattttga 240
 aaaggcatac gattcggttt attggggatt tcttgactac atgctcatga ggatgggatt 300
 ctgtgaaagg tggaggaaat ggataaatgg ttgtctatcc actgcaacca tatccattnt 360
 agttaatgga agcccatcta aggaatttgc tcttaagaga ggtctaaggc aag 413

<210> 16472
 <211> 354
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16472

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 catcaaataa ggtctaaact ttgaagtgtg atttcttaaa tgatcaaagt tgaaaaaatg 120
 cacacacaaa agctttatct atagcctaaa tgtcacacaa aattggaggg aaatttgaat 180
 ttctattcaa aattcacttg aatntgaatt tgtggagcca aaattttgct aattatgatt 240
 agtgaatttc agctatggtt cagcccacta atccaagatc aagtctaata ttctccacta 300
 agtgtgctta gatgtcacga gacatgtaaa gcatgaagga catgcacaaa gtgt 354

<210> 16473

<211> 430
 <212> DNA
 <213> Glycine max

<400> 16473

gacctataaa actcagcttc caggatggcc ccctgcattc agaacttaac ttctaccagg 60
 gatgcagaga cggaagcaa actcttgagg atcaatcctc atcctcgtaa atctggaata 120
 ggtaggcagt gtctcaccct cctctaaaac tattgggggt tcaaagaagg tatttaggct 180
 gtcagcatca atcttgatta agtgtctga tgcaatccta ccccgcaagg gcattggata 240
 gaaaactcca agtagattgg gccaaagatg caagagaagg ccctagggtt cttatgagcc 300
 ttagggtaga tttcggggcc atgggctaag tatgagccca cttatctttg taaatattaa 360
 attaaggttt cattatTTTT gggccttgca tttacggctc cataatgtaa gtaggggtacc 420
 ctagaaatat 430

<210> 16474
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16474

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 ctccaatctt taatggagaa gggtaccact actggaaaac ccgaatgcaa atttttattg 120
 aggcaataga tctaaatgtc tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagaat tacaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta 240
 gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
 taataacatc tgccctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
 acgaaatgtg ggacactctt cgattaacac atgaaggaac ta 402

<210> 16475
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 16475

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gcggtatggt cgggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccat 180
aggcaacaag ggggttgggg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tgcatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagctgc aagagtgtgt tgaaatggat gatttgcttt acaaagcaat 360
ccaagtggag caacaattaa aaaggaaggg agtggctaag aggagt 406

<210> 16476
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16476

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ggaagctccc agtgaagggt tctgccttcc ttacagctga aggatcatcc agatcaagcc 120
ttgctataag ttcaccagcc tgcaaaaggt gatacaattt tattatcttt ttcaatttca 180
acaattgtac ttcctatgtg gaatagaatg ctatatacct gcattgcttg accttcagac 240
atthtgaaat gaataatccc agaagcangc gaaagaagag gcatgcacat tttcatgacc 300
tcaacttcag catacggtgt gtcagcatca acatgact 338

<210> 16477
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16477

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gacttgatta tctcaagttc cacttggacc ccatttctac caactacgat acctaagaaa 120
actatattat ctacacaaaa ggtacacttc tctatatttg catagagggt gttttcctaa 180
ggacagaaat aactttctga tatgtactaa tgatctttan gctcctacta tccctaaaat 240
tcatcaaata acaacaca 258

<210> 16478
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 16478

tcattgctcaa gtatgtatgg caaaacttat aattgttgtt caagacatac aagttagctt 60
 gttacaaatc ttctacactt ggagtgatga catgcagtcc tcttgaacct ttaccaccga 120
 ctatgacctc atgccaacac tcaagacggc caagacgtat atccttctca atgtagactc 180
 aacaagagtc aattgctact tctgcgcata tacctgtgaa caatagatgc ttctggatga 240
 tacaaattct ttatgtatcc ttttaagatc ttcatgtatc actcaaccgg gtacatccac 300
 cgcaaataaa caagaccaca acatttgatt tctctgacca gatgcacact caagtgaatc 360
 atgatgtcaa agatggtagg gggaaaatac atctccaact ggcac 405

<210> 16479
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 16479

taaacattca atttcgagcg tctcgttata ttactggact caatcagaca tccgagtaaa 60
 aacttattgt cgtatgaatt ggcttaaagc ttaaaccattc aactttgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg ccgtttgaat tggctcagag 180
 gttcaaaatt caatttcgag cgtctcgata tatttcggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgag ttggcttaga ggttcaacat tcaatttcga gcgtcccgat 300
 atattacgtc actgaattgg acatccgagt gaaaagttat tgacgtttga atttgctctg 360
 agcttcaaca ttcaatctcg agcgtctcga tatatta 397

<210> 16480
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 16480

tcttagtttc agatgatgca gatgagtttg tggctacctc atgcactcct ctaatgacta 60
 tagcatcatt tctagcgcta aactactggg agtttgaagc catcttctta attaaatttc 120

tggcttcaac aggagtcattg tctctaaggg ctccaccact ggcagcatct atcatacttc 180
 tctctatggt attgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240
 ggtgagggca actgacacat agtttttttaa atctctccca gtattcatat aggctctccc 300
 cactaagttg tctaatactt gaaatatact ttctgatggt tgtggctctg gaagcagggg 360
 aatctttttt taagaatact ctcttgagat catcccagct cgtgatggac ctt 413

<210> 16481
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16481

tatgctgcaa acattacaac agacctctc aatttcagca gcaaaatcaa ccacagcaga 60
 acaattatga cctctccagc aacagatata atcccggatg gaggaatcac cctaattctca 120
 gatggcttag ccctcaacaa caacaacagc agcctgctcc ttcctttcaa aatgatgctg 180
 gcctaagcaa gccatacatt cctccaccaa tccaacaaca gcaacagccc cagaaacaac 240
 aaacagttga ggctcctccg caaccttccc tcgaagaact tgtgaggcaa atgactatgc 300
 agaacatgta gtttcaacaa gagaacagag cctccattca gagcttaact cgccagatgg 360
 gacaattggc tacacaatta aatcaacaac agtcccagaa ttctgacaag tt 412

<210> 16482
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16482

tggattgcag atccagtgc ctcaacatat tcatttttat ctacaatgtc cgcaaaaaat 60
 tctgtgggat tgagtaacta agaatcacca acaaagttta ttagtttatt aatcaagtac 120
 ttttttttat caatttataa atacatacgt gttgcattat taattaattt aatacttact 180
 tctaaccact cttagagctcc tgcaggctcc catgctgcta aaccaccttt ttactctgc 240
 aataaaaaaa atgtggttta gttaaaaata aatgtggtag taaaagttaa taaagcatca 300
 atgatcaaag tcctttgtca accctaactt attattgatc aaatattaag taacaagaaa 360
 aaggggccat tagttgattg atgattgggt aattaaaagg atatggacat aa 412

<210> 16483
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16483

tctaaacttt gtacaagaat gaagctctga tacctcttgt tttacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tccaaacttt tctcctaatt aaaaatctat 120
cttacttttt acttaagtta tgaattccct taatgacaat cttcttaaat attaattcaa 180
atgaagcaac ttgaattatg aatataaagc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctcaagtttta tactgggtcg gccacaccct tgtgcctacg tccagtcccc 300
aagcaacccg cttgagagtt ccactaactt gtaaattcct tttacaagtt ctaaacacac 360
aaggacaacc cttcctttgt gtttagagat tctntacaac aagagactca cagtctc 417

<210> 16484
<211> 233
<212> DNA
<213> Glycine max

<400> 16484

ttctttgaaa tctcggataa accaaatcat gttgataaat tgcaaaaagc tctttatggt 60
ttgaaacaag cccttagggc ttggtatgaa cgcttaagta aatttcttct aaaaaaagaa 120
ttctctagaa ggaaagtgga taccacattg ttcatacaag aataagcata atgatatttt 180
ggctggtcca aaaatatgat gatgatataa attttggaaac cactaatgat tca 233

<210> 16485
<211> 415
<212> DNA
<213> Glycine max

<400> 16485

tgtgcattca atatcctgat gaggatgttc catatgtttt caagactgga ctaatacatt 60
tgctgccccaa gtttcatgat cttgcagggtg aagatcctca taagcatctt aaggagttcc 120
atattgtctg ttccaccatg aaatcccttg atgtccaaga agatcatatc tttctaaagg 180

cttttcctca ttctctagag ggagtggcga aggattggct gtactacctt gctcccaagt 240
ccattaccag ctgggatgac cttaagaagg tgttcttgga taaattcttc cctgcatcta 300
ggaccactgc catcagaaaa gacatttcag gcatcatgaa acttagtgga gagatcttgt 360
atgagtactg ggaaagattc aagatattgt gtgaaagctg tcctcactac cagat 415

<210> 16486
<211> 401
<212> DNA
<213> Glycine max

<400> 16486

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gccaacaact tctcctgtca cagttgggtg ttcccaaac atgtctctca ccttttcaaa 120
ataaccgtag ctcaaggatg tcatcagcac agcttttgat ttcggctttc ctggtgaatt 180
aacaatatcc cccttttggg taacatcagg caaaagattc tccttcaaag tgcaagctaa 240
gatctgatcc aacacatggt gaaatgggtc agttctagta tcaaactc ttatttggat 300
gcctactctt tcatcaacgt cagctaaata agcttgatag tatctgctaa caagtcctca 360
tactttgttg gtaggggtgga acagatatct acccaagaaa t 401

<210> 16487
<211> 351
<212> DNA
<213> Glycine max

<400> 16487

ttcttctcga tatgtgatgt gcatgaatcg aacatccgag ttaaaagtta tggcgatttg 60
aatttctcga aagctttcgg tatttaattt tgagcatctc gacacatgat gcgcccgaat 120
tggacatccg tgtgaaagtt aagaccactt gaatttctcg agagcttcgc tattcaattt 180
ggagcgtctc gatatgttat gcgcctgaat catacatccg agtgaaaagt tatgaccatt 240
tgaatttctc aagagcttcc gttgttaaatt ttcgagcatc tcgatatgta atgcgcctgt 300
atctgacatc cgagtcaaaa ggtatgacct tctgaatttc tcgagagctt c 351

<210> 16488
<211> 331
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16488

agctttaatg tgatgcattt ggggcaggca taggtttgtg ttgatccaag aagggcatcc 60
tattgcatat ttttttagaa actgaatgaa gctgctctta gttattctac atatgataag 120
gaattgtatg ccttaattag agctttgtag acttagcaac attatctctt gccaaggaa 180
tttgttattc atagtaatca tgagtctttg aaatatttga aaggacaagg aaagttgaac 240
aagaggcatg aantttttat tcactatgat catgagtctt tgaaatatct gaaaggacaa 300
ggaaagttga acaagaagca tgctcttggt g 331

<210> 16489

<211> 361

<212> DNA

<213> Glycine max

<400> 16489

attcttttct atgcagagaa tatccaagga aaataccttc atctgactta gcatcaaatt 60
ttcctaagtt atcttttcca ttattcaata caaaacattt acaaccaaag atatgaagat 120
gagagatggt tggttttctg ccattgacca attcatatgg agttttcttt aaaatgggtc 180
ttattaaagc cctatttaaa ctgtagcatg cagtgttaac ggcttcagcc caaaagtatt 240
ttggaagagg agtatcattt aataaagttc tagcaatctc ttccagagat ctatttttcc 300
tttcaacaac accattttga tgaggggctc ttggtgcaga aaaggatgc ttaatcccat 360
g 361

<210> 16490

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16490

atcttgagcc atcacccaat cttgcaacac aatgttgggt ccaagggtat caaactcgac 60
agtttacgta aactcgtaag agttccatag actcaactcg tagacttata cgagtccact 120
tcatataaaa ataataacaa aatatctata aataacatac caattaaaca ttttaacaat 180

ataataaagc aaaatagtaa atcataaatt tcacaatact gaaataacca agtctagtaa 240
 tgcataccta ctagataata acttgcagat tntatagtag tggtagagca ttcccatcaa 300
 ggatntgatg ttattagaga ata 323

<210> 16491
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 16491

gcatttctga tgaactttac caaaaattgc ggttaggaagt cccaagactg ggaagctccc 60
 agtgaagggt tctgcctttc ttacagctga aggatcatcc agatcaagcc ttgctataag 120
 ttcaccagcc tgcaaaagggt gatacaattt tattatcttt ttcaatttca acaattgtac 180
 ttcttatgtg gaataaaaatg ctatatacct gcattgcttg accttcagac attttgaaat 240
 gaataatccc acaagcaggg gaaagaaagg catgcacatt tttatgacct caacttcagc 300
 atacggtgtg tcaccatcaa catgactgtc atctgcaacc aaatatct 348

<210> 16492
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 16492

tcttgatgtc ctggatcgtc ttcataaatg gagtcctttg attcttgata atccctggct 60
 acagatttgg taaggcagaa aggtgattgt aaacgccact ttctggagaa aatgagtcaa 120
 caacaagctc accaccatat gaagccgtgg ataagagttt gaagtatgac aaaatgaccg 180
 aatggagaga gagagggggg acggggggtc acagtataaa tccctttgat gacgacctg 239

<210> 16493
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16493

ttttgaaatt tcaaaaatat ggtatttact ctctttgttt taattaccag aggatgtaat 60
 cgattaccag tggccaaagt agtttctgaa atgttcttaa aattttgaat ttgattttta 120

aagcctataa tcgattacac aagacttgta atcgattacc agaagttcta aacattttat 180
 aaaagtcttt agaaatttga atttaaattt caaagcctgt aatcgattac agcttgtgtg 240
 taatcgatta ccataactta aaattcaaat ttcaagtctt tagagtcaca actctttaga 300
 aaaataactg tgtaatcgat tacaccattt tggtaatcga ttactagtaa ggaattttca 360
 aaaataactc ccaacaatca catctattca aatgtntttg aatggccatc aa 412

<210> 16494
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16494

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 gctatacgag acatcttgcc aaacaaagtc aggttagcca taactcgcct atgctttttc 120
 ttccatgcta tatgtagcaa agtcattgat cctatgaagt ttgatgagct ggaaaatgag 180
 gctgcaatta tactgtgcca gttggagatg tattttcccc ctgctttctt tgacatcatg 240
 attcacttaa ttgtgcatat ggtaagagaa atcannatgt gtggtccttg ttatctacng 300
 tggatgtnac ccggtgagcg atacatga 328

<210> 16495
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16495

ttgataaatc ttcggtagta accagtcaat ctattataac cctttaacta ttagacattg 60
 gtaggcttcg gccaatctaa caccgcttgc accttcccag catccaatgc tactccagct 120
 ccagagactt tatgaccaag gtattccacc tcaagtaatc caaatgaaca cttagagagt 180
 tgagaaaata aaacatacta ttgtagtgtc tgtaagacat actccaaatg acacaaatga 240
 gtagactagg aagggtctata gaccagtata tcatcgaaa aaaacaagca caaattttcc 300
 taactcattt tgaaaaataa tgttcatcaa acattgaaag gtagttggtg catttgtgag 360
 tccaaatggc ataacaagcc attcataatg gccatgatga gtcctaaaag ca 412

<210> 16496
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 16496

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ttcttgtcct tttgggcttt cactaagggt ggaaatgagt gagccaaact tgaattgagt 60
tgaacacata aggcttgagt ttgactaatt atctctaata ggcttaactt tgtcatacat 120
aaaagtctag cttggcgagt ctaattaaaa gcttgcttaa agacgtcttt gatcaattaa 180
ttatttttaa atctagttaa atactaacta aaaaaaagaa acttataaaa tttaatatga 240
gtaatgtaca aatccaaaaa taattgataa acaaaatcat attgaattca agtagttaaa 300
atacaaagaa tatataaaaa atgaaaaaaa gagag 335

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<210> 16497
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16497

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tttctttaac ataaagagca tacttatttt tacaacgaac aaaccattg tcttggaagt 60
acttgtcaat gcgactattc catgccctcg gtgcttgctt tagaccatac aacgccttgt 120
tcaatttcaa gatatttcct tcttgacctt tgatgagaaa acccattggt tgttcaacat 180
aaacattttc ttcaagatag ccatttagca atgccgattn tacatcaagc tgaaaaactc 240
tccacttcat ttgagctgcc aaggaaataa aaagacgaat tgtctccatg cagacaaccg 300
gtgcaaacac ttcatcataa tcaactccat attg 334

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<210> 16498
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 16498

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gccttaactt ttactttata tgcacatttt ctaattattt ttgttttaac caataagggt 120
tttacaaaag gagtggatgc ggatactgtg gttttgatgg cagctcaagc ttcaagactt 180

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gagaatcaag atgcaataga cactgccata gttggaatgt tggctgatcc aaaagagggt 240
 agtcattgat atattattca ccgcgattct tttgatgaca tatttattag ctgcaagcct 300
 ctaactgtaa tctgcagatc atcataattg ttactgtatt ttagtttgcg ttttaatttt 360
 cttgtctaac ttactgctac aaaggctcgt cttgggatcc aagaagtaca 410

<210> 16499
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 16499

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattagaact tcaactcttct catttgtcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcagggtt gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactaa gaagtcctac atgaact 407

<210> 16500
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 16500

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 gccttggtt tatctacaca gacttcactc aagtcagaga aacagaaagc tgatgacttt 120
 gaaagaaaat acaacgaagc ccaagtgtgt agcgaagaaa gaggtaaaaa actggaagac 180
 acggagaaga agacacgtca gcttcaagaa tcaactgacta ggtaatatataa ataataaaaa 240
 gtatgccctg atgtaattgt tttcccgatg taatcaatga tgtcttgcaa gggagagcct 300
 tgtcacaatg ttaagggtgt tacttgaac cctgagggtta ccagtacaaa tcttggaac 360
 agtctctctg cttatggagt tacagctgca tacatttact actccagacc ctacttg 417

<210> 16501
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16501

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 tcaaggattt gcttaccaga tgacagtaaa gttggaactt tgtcatgacg aacctgcttc 120
 tgattctctt ttaactcaaa atcattagca taaggaagat tagtatgtcc attaaaataa 180
 ccattgttta ttgcggaagc gtcaagaagt gggttaaaga actgaaaaat aaaaccagct 240
 gccaaacttg aacggtaagt ggtttttgag gtatcatctt taggtacaat agtggctgta 300
 accaagatga cagcatcgta tagaatgcta gcacttaaaa gctttccagc taaaaactcc 360
 tcaacattnt ttgctctgat tgcattgctta ctcccataag caccaaaaga caacc 415

<210> 16502
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 16502

tttgcaagta ttttacccaa gaaaacagga aagttttata aaaggaaaac agaaatataa 60
 tagagatgaa gtccaacaat acatacatcc aatgcgctca gttcaacca tacgaagatc 120
 taaaggaatt tcttgaaact gtgcagcaat ttgatgatct ccaagagata aatttgtgtga 180
 aacatatgct tttatggtgc ctgctccctt tgtgaatcct gtgtcaacgg tcaaatggat 240
 aggattgggt acttctcgag aataaaattc atggattaat gcactaccac cagttactcc 300
 aagaccagtt gaatacctgc atgaaataac cataattagc tacagtgaaa ggagggttcat 360
 aaactggtat aatagaacat tctctaagaa cataaagagt aagaaggaat aaaa 414

<210> 16503
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 16503

ttttctttga atgggcta atgaggatagct gatgccagct ccattggagc ttgtaggcct 60

aagatcttct tcatcaatgg attcctttgc ttcttggaag atgaatggca gcggaatgga 120
gaaagggaga gagagaggag acgccacttc aaggagaaga tgagtctaga agaagctcac 180
caccatatga ggccatggat aagagcttgg aggaagaagg agatgaatga acggagaggg 240
agagaagagc acgacatttt gtgctccaat gaactttgaa tctgaagtta atatcaaag 300
atccaagtca aaaaatgcc cctgac 327 -

<210> 16504
<211> 410
<212> DNA
<213> Glycine max

<400> 16504

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gcaagttgaa agccttggag gaaagaggta tgcttatgtt gttgtggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180
gagtctaagg cttcaaagag aaaaagactg tgtcatcaag agaatcagga gtgaccatgg 240
cagagagttt gaaaacagca aatttactga atactgcaca tctgaaggca tactcatga 300
gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acaggacttt 360
gcaagaggct gctaggggtca tgcttcatgc caaagaactt ccctataatc 410

<210> 16505
<211> 401
<212> DNA
<213> Glycine max

<400> 16505

ttatacagat gaccacttgc gtattttcgc ctgcccttta acttcacggg ttattattga 60
cagagattga tgggtgcgcg tatatgacgt atatctctgc acgtcacctg agttcagagt 120
cagtgtgaca caaattgcgg ggcgcccgac aaaagtgagt ctcttgctcc tacgtatcct 180
caatttgtga tgaggaaactt aaacttacgg tattcttgat actgtgagac taaatagtct 240
cgggtgtttt tctactacaat gcgaacatgc attagtaaag aaacaaaact tccaactgat 300
caaagcaaca tatgcttttt tctatgaaga caatgtgtct attgcggaaa gagagtgtac 360
tgataataat ttcacataac catatatgag attttgatga t 401

<210> 16506
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 16506

gatgaaacgg tggcettctc atggactctt tcgaatgaaa atagcagcat ttcttgcaact 60
 gaagttgtgg gagtaggaag ccatcttctc aatcaaattc ctaacctcag tatgggtcat 120
 atcaccaaga gctccaccac tggcagcatc aatcatactc ctctccatgt tgctaaggcc 180
 ctcatagaaa tactatataa ggagttgctc agaaatctag tggtgaggac agctcgcaaca 240
 caatttcttg aatctttccc agtactcata caagctctct ccactaagtt gcctaagcc 300
 tgaaatgtct tttctgatgg cagtggctct agatgcaagg aagaatatct ccaagaacac 360
 ccttttaagg tcatcccagc tgagaatgga tc 392

<210> 16507
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 16507

ttcttgcaac atatcaccta tggtcaccac taggggtcct tcacatgggt ttatatctat 60
 ccactctccc ttatttgatc tgacttgaag ccctcctatc tcatgttgat ataagatagt 120
 aatacaactc atatcaatgt gcatcccaag cccctcaact tgatcttcta taacttctgg 180
 agctgagtaa tcgtttaccc aacatatcca accatgaaca ctcttcata cttgattcac 240
 ttcttgtctg ttcttttggg tactttcacc cgatagtctt catgatgcaa accatttacc 300
 ttccaaaagt ttacctatac ctcaattttt gctactgcac atggtaattg gtaagcctaa 360
 caagtacatg gaaa 374

<210> 16508
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16508

tgttcattag attnttcaaa aattattata aaatattcca agcatcataa gcataaatgc 60

ataacacaac aaatctattc tcataaaca caacaaaatc cgccgacgaa atttcttgat 120
 gataatgctt ttttgataaa ctaatcaacg acgctaagaa attgagttaa accttgattc 180
 ctaatcagaa acagaatcct caccatgaag cagttccaag gccactccgt cccgtcctct 240
 ctcgaaacct tcggcctcga aatcccccaa taactggact ccaccacgt cttctcagac 300
 tcggccttct cttctccgg aaacttcgt tccgccggcg aagccatcgt cctcttcag 360
 tagaagaacc ctccattcgc gccgccagcg cagagt 396

<210> 16509
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16509

agcttatgct gccaacactt ataatagacc ccctcagcag caaaagcaac aacaacagaa 60
 taattatgat ctttcaagca acagatacaa tccaagttgg agaaatcatc taaatctgag 120
 atgggcaagt cctccacaac aacaacaacc tgtcctctt ttccagaatg ttgctggtcc 180
 aagcaagcca tatgttcctc ctccaataca gcaacaaca caacaacagt cacaacaaag 240
 acaacaagca actgaggctc ctctcaacc ttccttagaa gaattagtga ggcaaatgac 300
 catccagaat atgaaatttc agcaagagac aagagcctnc attcagagtc tgacanatca 360
 gatggggcag atggtactc 380

<210> 16510
 <211> 416
 <212> DNA
 <213> Glycine max
 <400> 16510

tatgacaatt tgaaattttc gagagcttcc gaagattaat ttcgagcgtc ttgatatt 60
 ataagtctga atcgacctc cgtgtgataa gttatgacca tttgaatttc tcgagagctt 120
 tcgttggtca atttcgagcg tctcgatgta ttatgcgcct gaattggacg tccgagttaa 180
 aaggatgac tatttttatt tctcgagagc ttctgtgtt caattttgag cgtctcttta 240
 tgtgatgcgc ctaaatacaga ctttcgagtt aaaagttatg accatttgaa tttctcgata 300

gctttcgtta ttcaatcttg agcttctcta tatgtgatgc gccagaatca gacttctgtg 360
 ttaaaagtta tgaccatttg aatttctcga gagctttcgt tgttcaattt gatatg 416

<210> 16511
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 16511

attttgggat gaaacagatg tgattcatca aaaattacat ctctgctgag aagaactttc 60
 ctttcagttg gtgaccagat cctatagcct ttcactccat caccataacc catgaacaga 120
 ccctttctac attaacatga taataagcat tgcagccaaa tactcttagg tttgagtagt 180
 ttggtggttt gccattccat atttcaatag gagttttaag tcctatagca gtagagggtg 240
 ttctattaat tagaaagcaa gttgtattga tagcttctcc caaaaaactt ctgttgagac 300
 cagcatagga caatagacat cttgttcttt ccaggagtgt tctattcatt ctttca 356

<210> 16512
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 16512

ttcttgccgc catttttttt ccgactatgt tcttgtgtgg tggaacacgc ttcaaaagga 60
 gagagctaga aatgaagagc caatgggtga tãcatggacg gagatgaaaa agatcatgag 120
 gaagcggat gttccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180
 ccaaggcaac aagggggttg aggagtatct caaggaaatg gatgtgctca tgattcaagc 240
 acatattgaa gaaaagacga ggtaactatg gctcgatttc ttaatgggtt gactaatgat 300
 atccgtgata ttgttgagct gcaggagttt gttgaatgga tgatttgct 349

<210> 16513
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 16513

ttgaacaacg gaagctctcg agaaaatcgt gtggtcataa attttcacac agatgtccga 60

ttcggggaaa taatatatcg agacgcacga aattgaacaa cggaagctct cgagaaattt 120
 gaatggtcat aacatttcac tcggatgttc gatccgggga cataatttat cgagacgctc 180
 gaaattgaac aaccgaagct ctcgacaaat tagaatggtc gtaacttttc acgcgaatgt 240
 tcgattcggg gacataactc atctagacgc tcgaaattga tacaacggaa gctctcgaga 300
 aaattgaatg gtcataagtt ttcacacgga tgtccgattc gggaacataa tatatcgaga 360
 cgatcgaaaag tgaacaacgg aagctct 387

<210> 16514
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16514

cttagttctt agttatgaac agacacaatt cacatgcagt accgtttggt tcatattgct 60
 gctggagaat tacttacggc agaaattgcc actggaagtg ataatggaaa gcgagcccca 120
 cagtatatgg agaagggaca gttggtcctt gacgaaattg ttgcgatggg atgtatgtat 180
 gtatgtcgtg actaatttct cttcaattct tgtttctcat atcatatcct tgcttctgtt 240
 tatgctatat agatggtaaa gagcgtctct tgaaaccaga ttcnaaagag aatgggtggc 300
 ttttggatgg atatcccacg agcttatcac 330

<210> 16515
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 16515

atacccaaaa tcttatctac agaaccaagg tctttcatat caaaatttct agacaagaaa 60
 aacttcacat catttatgaa attcatttac taccaaatat caatatgtca tccagataca 120
 taaaatgacg catccattat catcaaattg tttcacatac acacatttat cactatcatt 180
 aatttgaaaa tcatacaaaa gaataactta atcaaacttt tgtgtcaatg atttgagct 240
 tgtttcaaac catacaaaga attaacaatt tatttttcaa gaaaaaatat tttcaaagaa 300
 agtcacatct atagactcca taatagtacc attagaaatt tcaaatactt ctgaattaat 360
 aattaagaat cta 373

<210> 16516
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 16516

tctcatttga tccaacagag gatgagcata caacctatct cactcaagtc acacccacgg 60
 aattcaagca caagagactt gatcattgcc atcttgaaag aatgctaaac atgaaaaaaa 120
 gaaaatatgc aaaagaaaat tgaagaagtt tcaaattgaa gaatgcaagt ctgttagcac 180
 accaatgaat caaaaggaga agtttagcaa ggaagaaggt gttgataaca ttgatgaagg 240
 atattatggg agcttgattg gatgtctaata gtatctcact acaacaagat caaacattct 300
 atttgctcaa aagaacaaaa ctggaatttt tgttgacaat caagtagcca ttgctattgc 360
 aaacaatctc gtgtgtcatg ggaagactaa acatttcaac atc 403

<210> 16517
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16517

atgcgaacca ggaaaaatga aatgaacaga aaacgcttgt gggattatcg tctacggggc 60
 ttatacagag aaacgaatca aggacctaaa aagggtattat taaagagggt aaaaaaacgg 120
 aaattgtaaa acaagaataa cataataaca gtattttact tgagtcataa cataatttct 180
 tttatattta ttatttgata atcgatacac attataagta tttagtttta ctatttatat 240
 tggttactag atataaaaact tagacggaat atacgcgtta accgtaaaaa tcataaaaaat 300
 gtctttcgat agataagtat atnttcatgc tagaatttat tgacacatac gaattttgtg 360
 tatcatga 368

<210> 16518
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16518

atcttaaaga tgctccaaat taagatttca accactcggt tcagagtctt aatttcatta 60
 ttagattcta catgcatgta cttgtgtata tttcatgtgt tgttgcatat cgtaaagata 120
 ataaataaat taaagtagca aagattacaa cggttatgct tactagcata tttggaatat 180
 tattaatatag aaattntatt aaaaatataa taaatatact gataatatta aatggtatatac 240
 acattttaat acatattttc atttaatggt atagtataat tatccatcta tttattcagg 300
 ggtttggtac aacctctgat ccaaccgat tcaatccaat taaattagat tgaatttttt 360
 aagtgtttaa gtcaaattca attcaac 387

<210> 16519
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 16519

ttctttgaat agtatgaaag accctccctt ctactttgta aaatagattc aatagaaact 60
 aggaaaataa acaaatatat tcgccgagaa ataggagaga gggatttgaa ccctcaatag 120
 ttcttttttt cgaactatat tgattttcaa gactgaagtt gtcaaccact caaccatctc 180
 tccaaaagat aatttatatt ctatatatat ttcatagaat aaaacatgag catataaatt 240
 gatacttatt atgtgtgtac ccataagggg tgaacaacta ccaaggggat ggctgagaac 300
 cttttcggtc aaagccaaac acccccagcc ataaccagat atccaaggt gactaattac 360
 ccctcgggct 370

<210> 16520
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16520

ctgganaatg atttcttttc aaaagttagt cgtattatgc gactaacaaa ctgcaaataa 60
 agcaaacaaa gaatggtaaa ttatttagtc agtcaaaata ttgcaaagaa ctaactaaca 120
 agtttgggat ggaaaatgct aaacacatgg ccaactcctat gagcactgcc tgctatctgg 180
 ataaagatga aaccgatcag tcaatagata taaagaaata tagaggtatg atcagatctc 240

ttctttatatt atttgcaagt agacttgata taatgttttag tgtttgatg tgtgcaagat 300
 accaagcaaa tcccaaagaa tctcacctta gtgcagttaa aagaataatg agatacttat 360
 taggcactat aaatctatga ttatgggtatc ct 392

<210> 16521
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 16521

ttttaagcct aagatactta tctgtggggg gagttcgtat cccaggggaat gggactatgc 60
 caagttcaaa caggttgctg ataagtgtgg ggcagtgttg atgtgtgata tggctcatat 120
 cagtggctct gtagcggcta aggtgatttg aattttctgt cttttctctt tgttcttggt 180
 gaattatgtt atcgatttta tggttgttta tgcactctgaa ttagttttct ttggagtgtg 240
 gaggcagatg tattgtatgc tctagaacta gtatagatgg agttgataga acaatttacg 300
 tgcctgtact atgaaccaac atcttcagac ttattcctgt cttat 345

<210> 16522
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16522

tttgcattgca ttcttgaact tttaaagcgt aaagttacgt tactgtgtta tttattaaga 60
 ttaatccttt agaaagcgta aacatgttgt tgtgcttgaa ttatttatta aaattaattg 120
 tatgtttatt ttggtattta agcatacaat attaagctaa actaaataat ttatgcatat 180
 taaatttaat ggtaagagt ttatatgttt caaatattag ataactcatat gcatataata 240
 tttatttaat tctgaagttt tgtgtgtatg atttatgatt ttatacatgc ganattatct 300
 tgaatatnt atacaatatt atttggttta ttacattat ttaaaatatt atataaataa 360
 ttagc 365

<210> 16523
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 16523

tgtcttaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaagaaaga ggtatgccta tgttggtgcg gatgatttct 120
tcagatttac ctgggtcaac tttatcatag agagatcaga aacctttgaa gtattcagag 180
agttgagtct aagacttcaa acagactgtg tcttcaagag aatcaggagt gaccatggca 240
gataatttga aaacagcaag ctactgaat tctgcacatc tgaaggcatc actcatgagt 300
tctctgtagc caatacacca caacaccatg gcatagttga acggaaaaca agactt 356

<210> 16524

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16524

cgctttgaga aactcanatg gtcattactt ttcactcgga tgtccgattc atgcgcatca 60
catgtcgaga cgctcgaaat tgataaatgg aagctcttga gcaattcaaa tggtcataaa 120
ttttcactcg tacgtccaat acaggcgcat aatatatcga gaggctcgaa attgaacaac 180
ggaagctctc gagaaattca aatggtcata acttttctact cggagggtccg attcatgtgt 240
ataacatatc gagacgcttg aaattgagca acggaagctc tcgagaattt caaatggtca 300
ttacttttca cttggaggtc cgattcaggc gcataacata tagagacgct ccaaattgat 360
taacggaagc tctagagaaa ttcaaattg 388

<210> 16525

<211> 356

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16525

atctngacag gtttatgtgc aagtgtctgct actgggtggag gcacttgaat ttggttgcca 60
gacctcaagg tgatggcact cacattttttt ggattctgca aagtttgtga agtcaatttg 120
tcagaatttt gggactgagc ttgattcatc tgagtagcca tctgccccat ttgatttgct 180
agactctgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240

ctcactaact cttctaagga aggttgagga ggagcctcag tttcttggtg tctttgttgt 300
gactgctgct gtattggagg aggaacatat ggcttgcttg gaccagcaac attctg 356

<210> 16526
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16526

nttcctatgg ttgttctact aggggtttcca agcatcatag agaaggagaa gggattagag 60
ccaccatttc actatctccg tgtgagggaa atttctctct ctatagacat tatttcacaa 120
atcccaacag tgaaaatttg cagaaatgag ttcctaact ggttttcaaa tttcatgatg 180
atctaattgg taacgagttt gagatcgtag ttttactcag acaaatttgg gtgtatgcga 240
gaaaaagaaa ggattttgag agagggagaa gggaaaacga atttgagagg aagagagagc 300
gtaaagacat atcgtaaattg taaaaactaa cctaatatgt ctttatttat agttagagtg 360
atctcagcct attatttact ctatttttct taaatttata aaaagaaact ctatttta 418

<210> 16527
<211> 394
<212> DNA
<213> Glycine max

<400> 16527

tgtaatcgat tacacacata ttgtaatcga ttactatagg agtttttcag aaaacattct 60
caacagtcac atctttttgt gtggttcttg aatggctatc ataggcctat atatatgtga 120
cttgagacac gaatttcata agagtttttc agaacaaaaa gatcttatcc tcttataaag 180
caaaatcggt ttatcctctt acaaattcct tggccaaatt acttgatgatt caataaggaa 240
ttatttgagt gctcaaatta ttcaatctat ctctttcaag agagatttct tcttttcttc 300
ttcttcattc tgaaaagga ttaagagacc gagggctctt tggttgtaaa gaattctaaa 360
cacaaaggaa gggttgctct tgtgtgttta gaac 394

<210> 16528
<211> 376
<212> DNA

<213> Glycine max

<400> 16528

ttctttgatg caacatttgg agagggttaat gaaacaacaa gatgatgcg tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaaatga 120
tggtgttcct agacaaaacc gaattgatgg tattaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acgttgagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaggaggacc agaagggtgaa gcttgccgcc acggagtttt ccgactatgc 300
tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360
tacatggacg gagatg 376

<210> 16529

<211> 407

<212> DNA

<213> Glycine max

<400> 16529

tgtacattca atttcgagcg ttccgatata ttacggtact caatcggaca tccgagtaaa 60
aagttattgt tgtttgaatt tgttcagagc ttcaacattc aatttcgagc ttttcgatat 120
attacgggac acaatcagac atccgagtaa aaagttattc tcgtttgaat ttgctcaggg 180
cttcggtaat ccatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gacgtttgaa tttgctcaga gcttctacat tcacattcga gcttttcgat 300
atattacgga ctccatcaga catccgagta aaaagtgtt tgcggttgaa tttgcttaga 360
gcttctacaa tcaatttcga gcctttcgat atattacggg actcaat 407

<210> 16530

<211> 285

<212> DNA

<213> Glycine max

<400> 16530

tgcttgagcc agttccaaat cactatgttg ccttgagcca tccccgacaa cagttcctga 60
gccataaggg gaccacctt tgaccttctc catctcatatc atgccatctc caaatgtgta 120
cccaaccgga acataaatca ttccatggag aacaagctga gtgacagagg tcaacggggg 180

ctcttcttgt acacctcctt gagaactagt gcttgagaag aaccctgcag gtttttctgc 240
tagtgctgt gtatgccaca gccctataga gccttctaaa aatgc 285

<210> 16531
<211> 294
<212> DNA
<213> Glycine max

<400> 16531

gtcacctgcg gcatgcattt tgagtttttc ttcattggacg tcccgtggtg ttcgtatgaa 60
tcttttggtg attcttacgg gaagatggtg atgtagctcc atgtggagct tgtatgccat 120
cgatcttctt catcaatgga gtcctttgct ccttaaagca taatgacatc ggaatggatt 180
tggaacaatg atgatcggag acacctcttc atggagaaga tgaatcaaga agaaaccac 240
caccatagga aaccatggat aagagcttga aggcttgaga acatgaatgg aggg 294

<210> 16532
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16532

ttctttgata tgnccgggtgt gtaaacagcg atatatacac ttattgngat tggcaataaa 60
tagttactaa cattaactgg ttctcaaatt atatttataa actgggtaaa aatatgtctc 120
acaatagctt atacatttgt ttgatgccag attattgggg cctggcaaaa acctgttatg 180
gttattgtaa ctgaacttct cttatgtgga acattgcgca aatatctgcg gagtatcccc 240
gccaatgtgc tcggatgttc gcgcaacaat tggatttgct ctttgtattg cccgagcaat 300
aggaatgctt acactctcat gggatcattc accgcgacct taaacctggt attgtatatg 360
aatgtccaac ttg 373

<210> 16533
<211> 399
<212> DNA
<213> Glycine max

<400> 16533

tcaagaatta tggcctcatc aaactacttg gttccttaag gaaattctat aaataaacct 60

cccatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaat ctttatagag 120
gcaatagatt taaatatattg ggaagccata gaacaaggac cttatgttcc ctctataata 180
gccggaagtg caacaataga aaaacctaga gcagattcga ctgaggaaga aagaagatta 240
gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300
tttagggttt caaattgtaa aagtgtctag gatatgtggg atacactaca agtaacacat 360
gaaggcacia caaatgttaa aagatctagg ataaacact 399

<210> 16534
<211> 349
<212> DNA
<213> Glycine max

<400> 16534

tgtaaatcaa attcccccttc tcttcacct cagttatctg caagtactcg gccgcgcttc 60
gccgcggccac aatgttgtaa gcactgagag tgatggttat gccatagcag aacttggcac 120
acagctcaaa tgcttccacc ccacccggaa aatcacggag tcggactatt tgggtgctgtg 180
gagaatcaga actctctgag cataaccttt gcaggcgcaa acatttggac aatagtggaa 240
actgaacaac atcatgaact tgtgtgacta agcaatataa agattgaaca agtcttgttc 300
aaaacacaaa atggactgag atatacaact tgaagagctt ctaattttc 349

<210> 16535
<211> 387
<212> DNA
<213> Glycine max

<400> 16535

agtcttctat agaatgttcg ttcctaattt ctctacaatt gcatcacctc tcaatgagct 60
ggtgaagaag aatgtggcat ttacctgggg tgaaaaacaa gagcaagcct ttgctttgct 120
caaagaaaag cttactaagg cacctgttct agctcttctt gacttttcta aaacttttga 180
gctaaaatgt gatgcctctg gagtgggagt tggagctgta ttgttacaag gtgggcaccc 240
tattgcttat tttagtga aaacttcatag tgccaccctc aactacccca cctatgataa 300
agagctttat gccttaataa gagccctcca aacttgggaa cattaccttt gttccaagga 360
atttgtcatt catagtgatc atcaatc 387

<210> 16536
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16536

ttcttctaac aatttcatgt attattacgt gtttaacata tttattactc attgttttgc 60
cttttgccgt aggatatgat gcaatcctac ccctcaaggg cattggatag aagactccaa 120
gaagattggg ccagagatgc aagagaaggc cctaagattc tcatgagccc tatggtagat 180
tttgggcca tggactaagt atgagcccac ttatctttgt acatattaga ttacgatttc 240
attattttta ggccttgtat ttagagctcc ataatgtang tagggtacc tagaaatgta 300
ngatttttca ggccttgtat tttatggcac ctgactagt ttttgtatta ngggttaagtt 360
tgaatttcac atg 373

<210> 16537
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16537

gggttacctc cttcactaca tcaagaatca ccgagttgac tcttctatgt gggtgtctta 60
ctgggttagc cccatcctct aaatttatcc gatgcataca tgtggatggg gtaataccag 120
gaatgtccgc cagggtccag cctatagcct tcttatgctt cttgagaact gataacaact 180
tctcctcttg ctcatcagca agggaggcat atataattat tggaaaactt ttgctatcat 240
ccaagtaagc atatttttaa tttgatggta gaggcttcaa ttctgggtgtg ggcggctgga 300
taatggtaga aagagatggg ttctcagcct gtacctcata aagaaagtca gaggtatgtg 360
tacttcctga aacatgggta gttctatctg actctagana atctatctca ag 412

<210> 16538
<211> 388
<212> DNA
<213> Glycine max

<400> 16538

tttgcatgca ttctttgcag agactgctcc atatcccaac aagccatcac tgccctccatg 60
 gcatgaacac ggacatgctg ctgcagttgt tcttttaaagg cacagagcaa cagaacataa 120
 tgggtctgca acaaacaaaa taacaaaact cataaaaaaac aagctcttca cattaacatt 180
 taagcacatt aattaagaat gagaaacaaa acccatcaaa aggacaagaa ctgagaagga 240
 ctatgtaaat acaagtgtaa ataaacccca agatgccaaa cttatataaa tgtccctaca 300
 aagttaacaa aatgttatag tgattcagta ctccaatcat tatatgtaga gtggatatta 360
 agtcagaatc aaatcttaac tttaatat 388

<210> 16539
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 16539
 tgcttcctta agaagattcc taaagaagct agagcttagc tacacacacc tctctaatag 60
 ctaagttcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
 aagctcacc atattggcaaa aaaacatgaa aatacaaaaa aaaaagtccc tattacaaag 180
 actactcaaa atgccccgaa aatacaaggc taaaacccta tactactaga atggccaaaa 240
 tacaaggccc aaatgaagga aaaacctatt ctaatatatta taaagataag cgggctcata 300
 cttagcccat gggctcgaaa tctaccctaa ggctcatgag aaccctaggg ccttcccttg 360

<210> 16540
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 16540
 tgtgaaagca ttatatgggt tgaagctagt tgtaatagct tggattgaga gactaagttc 60
 attcttagtt cataatgggt tctctagagg aatagtagac actacactat ttagaaagac 120
 tcgtaaagag gatctgctaa ttgtacagat cgatttatgt agataacatc atctttgggg 180
 ctactaaaga aataatgtgc aaagaggttt atgagctgat gaaagaagaa tttgaaatga 240
 gcatgatggg agacctaag ttctttatag gacttcaa atcattcaaaaa tatcatgaca 300
 tttttatcca tcaagagaaa ttcaccaagg accattcaaa gaggttcata atggatgaag 360

ctaaaccaat agctacccct atgcatccat ctactgtcat t

401

<210> 16541
<211> 325
<212> DNA
<213> Glycine max

<400> 16541

ttcttgcagt ttctgggagg ctttgccaaa gttttcttcg tgtttgggtca tgtgtcacc 60
ataactctct gtttgcttcc gtacatctga gggatctaca tggtaaaaaa ctgggaaaac 120
aagttgtttc atctcactga tcttggactg ctccaggatc ttaacaagtt catcaaggca 180
ccatgtggag gatgcgtagt tcttagaaaa cacaatgatt aaaatcttag attcttcaat 240
ggccttggat agagaaggtg aaataacatt cccaccggc aggtccctat catcaaagaa 300
aattttcatc ccttttccgg acaac 325

<210> 16542
<211> 390
<212> DNA
<213> Glycine max

<400> 16542

ctgagatcca tagatctaata gcaagggtata tgtttcatag aagggtttc gttgcttgtg 60
ttgggtgatt ccagagccat ctattccttt atattcctgtg tgtaagtaga aaaacttaag 120
cttttctgtg tcttctttta ataaagatct agtgggtggag acccctacta gtggctatgt 180
gataacttct tatgtgtgtt tgaaaagtcc tgcggagatg tctaggagaa cattcttgat 240
tgatttgatt tgtttgcctt tgaaccagat tgatgttatt cttgggtgtg actggatatc 300
ttccaaccat gtcttggtta actgtattga taaaagagtg gtgttcgatg attctgtatc 360
cgagtaagat atgaagttga tctctgccaa 390

<210> 16543
<211> 390
<212> DNA
<213> Glycine max

<400> 16543

ttctttgtac aacctctgca ttgttgagct tctgcagctt actaacagaa gttgctgccc 60

tgattttacc aacatcattt tctgaaaaca caaagctacc ggatatatcc catagctcca 120
 cagtcccctc atcatgcaag gtcacgaact tgacaccagt aagaatgaga ttcttcacag 180
 cagacaggaa gtaaaacttta ttagaattca aaaacatgat ttaaaattat agagtttagca 240
 ctatcatctt taaagcttga acctaaatat cacaaccatc aaacaaaaaa tcaagtcaca 300
 cacaaatgat aaaactataa cctaagttta caaaaaaaaa ttacaactgt caactggtaa 360
 tcaaggttta aaaaaaaaaag tctgcaacat 390

<210> 16544
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16544

taagaaatct atatatgggt tanaacaagt gccctgttat ggtaccttaa gtttcatggg 60
 ataatttctt catttggttt tgataaaacc ccatggatca atgcatatac cacaaggtta 120
 acgagagtaa aatatgtttt cttgttttat atgtaaatga tattttactt gcagccaatg 180
 atcgggggttt gctacatgag gtgaaacaat ttctctctaa gaattttgac atgatgggta 240
 tgggtgatgc attgtatgtc attgggtattt agattcatag agatagacct caagggtattt 300
 taggttcac ctaggaaacc tatattaaca aaattttaga gagattgcag atgaaagatt 360
 gttcactaag tgtcgctccc attgtgaagg gtgatagggt taatcagaac caataccca 419

<210> 16545
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16545

cccgggatcc tctgagccgc cttttgcatg caatcttgta gggttaaagt ctcactattg 60
 tcacgtgctc atgcaacaat tgtaggcat ggctatgca gacatcttgc caaacaaggt 120
 cagggttaacg ataactcgcc tgtgcttttt cttccatgct atatgtagca aagtcattga 180
 tccagtaatg tttgatgagt tggaaaatga agccacaatt atactgcgcc tgttggagat 240
 gtattttccc cctgctttct ttgacatcat gattcacttg attgtgcac tggtcagaga 300

aatcacatgt tgtggctctg tntatctacg gtggatgtac ccggttgagc gatacatgaa 360
gatcttacta ggggtatacag agaatctata tcgtacagaa gcaccta 407

<210> 16546
<211> 381
<212> DNA
<213> Glycine max

<400> 16546

agcttggttca tccaataccc tgatgaggat gtcccatatg ttcttaaaac tggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaacacc cgcacaaaca tttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcatcatt agagggagtg gccaaaggact ggctgtatta ccttgctcca 240
aggtccatca cgagctggga tgaccttacg agagtattct tagagaaatt tttccctgct 300
tccatgacca cagccatcag gtaagatc tcatgtatta gacaactcaa tggagagagc 360
ctgtatgagt actgcgagag a 381

<210> 16547
<211> 308
<212> DNA
<213> Glycine max

<400> 16547

tatcccatgc ctttatagcg gatgtagcat cacaaatctt cttgtacgca tcatcatcta 60
atgctcgata gatgatgaac agagctttct tgccctcttc tcttgaatcc ttaaaagtac 120
ttctttggtg cttggaatat tgaagtctca tgttgcggt ctttatagcc tttttcaacc 180
atttcccaca cattatgtgc tccaagacgg gcttccattt tgatgctcca attgtcatac 240
gtgccccct atacaagtgg aacttggag gatgacgtcc atttcttaca ttactctaga 300
ggaatttc 308

<210> 16548
<211> 384
<212> DNA
<213> Glycine max

<400> 16548

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa ctacttacc aattaaaaat 120
ctatttcact ttttattcaa gttataaaat cccttaacaa tgaacttctt aaatattaat 180
tcaaataaaa aaattttgaa tatgaatata aagcaataat aaacaaagga gtttaagaga 240
agagaaagtg caaactcaga tctatactgg ttcggccaca cccttaatga attgagcact 300
caaataattc cttaatgaat tgcaattgaa ttggccaagg aattcttaag aggataatat 360
gattttgctc tttgatagga caaa 384

<210> 16549
<211> 373
<212> DNA
<213> Glycine max

<400> 16549

cttcttctgc ttgcaatttc gagcgtctcg atatatgaag ggactcaatc ggacatccga 60
gtatattatc ttttttgcac tgtgaagcac gcaccgagct tctgttttca atttcgagca 120
ttgtgatgca ttacgtgact aaatagaaca ttcaagtaaa atgctattgc cgtttgcatt 180
tgctacaagc ttctgagtta aaagttattg cagtttgcac ttgctacaag cttccgcttt 240
caactacgag cgtctcgata tattactgga ctcaatcgat catcagagca aaaagttatt 300
gtcgttagaa tttgttcagt gcttccgctt tcaatttggg gcgtatcgat atattacggg 360
actcaatcgg aca 373

<210> 16550
<211> 375
<212> DNA
<213> Glycine max

<400> 16550

tttcttcgtg ggtagagggg ctctgtctca tataatggct tgatcactgg ctgacatatt 60
ctcaattagc tctgttgctt ctttcggggg cttcagtttt atctttcccc ctgtacaagc 120
atctaatagt tgcttgggtt gtggtctcaa cccatatata aacatattca attggattgg 180
ctaagaaaac ccatgagtgg gagtttttct taacatgcct ctgaatctct ccaatgcttc 240
actcagagat tcatcacgaa actgatgaaa tgaaaaaatt gcagcttatt cttctacaga 300

cttggactct gggaagaatt tctttaggaa ctcttcaaca acttcttcct acgttttcag 360
actgataccc ttaca .375

<210> 16551
<211> 331
<212> DNA
<213> Glycine max

<400> 16551

cgggtcaagtg gatacgggaat tgtttataag gtatgttgat ttatattttt catggaatca 60
catactttga taataatttg agaattacat atgcgctaga ctttgaaata ttgtatttat 120
tagggtagcg tctctgatgg acaagaaatt gctattaaaa gattgtttat caattctaac 180
caaggagata cataatttaa gactgaaatt tcgctaacag gaaagcttta gcaccgaaac 240
ttaattacac tacttggtct ctgctttgct aaaagagaaa gatatttgat tatgagtttg 300
ttccaataa aaacctagat ttattatatt t 331

<210> 16552
<211> 384
<212> DNA
<213> Glycine max

<400> 16552

agcttgtatg gttaaagtct cactgattgtc acgtgctcat gcaacaattg ttagtcatgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgctttttct 120
tccatgctat atgtaggaaa gtcattgatc taatcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctatcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatttg tggctctggt tatctaagg 300
ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
gtccagaagc atctattggt gaga 384

<210> 16553
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16553

tcttatccaa ggctcatctt ggtggtgaaa ctcttcttc catggcttat tccctagtgg 60
atggcgctc ctctcacctc ttctccttg tcttcgctg catctggaaa atcaccatta 120
aaggacctca ttgaagctca aatatccagc ctccatagaa gcccacaag caagcttcca 180
tcagaatggc aggggaaaat ggtccttttt ggtaacctgg ttcagcctgc tatagtcaat 240
gcagactctc caactgttct gcaccaagt aggaatcagc tctccttct cattntttat 300
cacggtgagg ccggttttct tcaggattac ctggacagaa ctcaccatt ggctgtcgga 360
gataggataa atgattccag ttngcaaaag cttggttacc tccttcttca ctacatcaag 420
aatca 425

<210> 16554

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16554

agcttacaaa aatttgtaaa ggggtgtcaat gagatatttg gacaagagta cttgagaaga 60
cccaacaaca atgacatcaa tcgcctacta caaattggag atggacaagg gtttccagggt 120
atggttaggtt ttattgattg catacattgg gagtggaaaa attttctgtc agaccctaata 180
tttgtccaag gacaatcatt catggatatt ttgattctcg ctagccaaat tgagctgttt 240
gacaccagtt accgcgcaag acgaaagatc attcgatgtt ttgggtcaagg gtgtgaaaga 300
tactaaaagg gaggggcaaa aggggtctttt canggttatt tctagaccct ggctcgccca 360
ggctagcctt tggctct 377

<210> 16555

<211> 384

<212> DNA

<213> Glycine max

<400> 16555

agcttataga agaataagaa aggggcaaac agaagactca ccatcctgtc actgaaaaca 60
ctcctctcca tcaaacgaag aggcttgatt ccagcagatg actctcttct ctgcatgacc 120
cgtgtgacaa acacatagtt ctgaaagggtg taggcataacc gttgcggctc ggcataaaaa 180

gcatccaaaa tgttaaagtg atcagggtcca acatcctgcc acttgctaata gggttcatga 240
 accacctcaa caagatcacg caactcgatc gtttcattcg ctattctctg gaggaaggta 300
 gtcttgccaa cgctaattgt accctcaaca cagaatgtta agcgcttctt ctgaacagag 360
 gaagaggaat tgtcttccaa ctcc 384

<210> 16556
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16556

ttctgtgtct nttttaaata aagatatggg ggtatatacc ccaactagtg gttctatggt 60
 aacttctaata gtgtgtttga attgtcctgt ggaaatttct ggcagaacat ttgtgattga 120
 tctaatttgt ttgcccttta gccaaattga tgttattcta ggtatgaact gggtatcttc 180
 caaccatgtc ttgttaaact gttttaataa aactgtggtg tttgatgggt ctggagtaag 240
 taaggatatg atatttatct ctaccaacca agttgtgaca tctttaaaag aagattctca 300
 agtgtacatg atcttgtcta acctagaaat aaagaccaag gtttccatgt gtgaccttcc 360
 tgttgttaga gagttctctg aagtgttccc tgaggatata tctgggtct 408

<210> 16557
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 16557

taaacattca attgcgagag tctcgttata ttacgttact caatcagaca tccgagtaaa 60
 aagttattgt cgtatgaatt ggcttacagc atagacattc aactttgagc ctctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg tgcgttgaat ttgctcagag 180
 gttcaaaatt caatttcgag cgtatcgata tatttcggga ctcaatcaga catccagagta 240
 aaaagttatt gccttttgag ttggctcaga ggttcaacat tcaatttcga gcgtcccgat 300
 atttacgcca ctgaatctga catcccagga aaaagctatt gtcgctagaa tatgctctga 360
 gcttcaacat tatattacga gcgtctccat ttttttcggg actcagtctg acatccc 417

<210> 16558
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 16558

tgTTaatgtc taccatgaaa agcgggttacc ttgttgtatt gggttgaaaa aaaatatata 60
 atttaggaat gattacatat cttgtattac caaatgatag aattttttac gaacatccaa 120
 taattgcatt gactaataaa taaatattta actataacta attattatat ataaaagaaa 180
 taggatgttt agatgtacat tgtattatat ctattttatc tttataacta tattcataac 240
 ttattatttg atttatatta ttacctgata taatcacccg ctaactaatt attatttttc 300
 attgaataaa taaacatgaa taaacagtta cacgtgcatg tttattccta aaatgttata 360
 ataatatgtc attacctcaa ca 382

<210> 16559
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 16559

tagcccatca tcaatattga tttcaagaaa caaaaaagca agtagatata tcagtgaact 60
 gagccagacc aaggaaaaat acatcaaaga aaataaataa tctagtatag ctaattttat 120
 aatcagataa agcatctgag acctgctgcc atgtggtatc aacaggaggc tgccgccgag 180
 catcgccagc atcaaaatcc agtacaccat aatccctcaa ccgaatctac acagcaataa 240
 ctaaaatcag aagtcttttt gaggattaaa tgcattggcat tatctataag acacattttt 300
 caaattgaga caaaccgaa ggaaggcacg gattctttgc aaattcccaa caccaccacc 360
 aagagcagcc taccattaga taaaaaagca agcagaaatt aagtgttgat aacaaataca 420
 aat 423

<210> 16560
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 16560

agcttctgtt gttcaatttc gagcgtctca atatattatt ggcctgaatt agacatccga 60
 atcaaaaagt atgggtgttt atattatcca tgtgcttcaa tgttcaattt ttagcatctt 120
 gatataattat gcagcttaat cgggcatctg agtgaaaagt tatgtcatac gagttagccg 180
 agaäcttcgt tgttcgattt cgagcatctc gacatattat ttgcctgaat cggacatcag 240
 agtcaaaaagt tatggcagtt taaactttcc atgtgcttcc atgattaatt ttgagcatct 300
 cgatatatta tgcacctgaa tcggactact gagcgaatag ttatgäcata tgagatagct 360
 g 361

<210> 16561
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 16561
 agctttacat tactcctcat gcttctcacc atgtctaata aggttcgatt tcttcgttct 60
 gccacactat tatgatctgg agaactatgc atagtgtatt ggacaacaat cccatgttct 120
 tgaagaaatt tcgcaaatac acctgggtgct tgtccatcct ctgtgtatct accataatac 180
 tccccacctc tatctgatct cagcatctta atttgttttc cacattgtat ctcaacttca 240
 gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtatagatac 300
 atatatcgtg aataatcacc tatagagggt atgaagtatt tcggacaata tgcattcatg 360
 tctggacaac atatgtcttg tatgtat 387

<210> 16562
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 16562
 tatgctgcaa acatctacaa cagacctcct caacctcagc agcaaaatca gccacaacga 60
 aacaattatg acctctccag caacaggtag aatctcgggt ggaggaatca tcctaacctt 120
 agatggtcga atccttcaca acagcagcaa caacaacaac agccttattt tcagaatgct 180
 gctgggtcaa gcaaaccata cgttcctcca ccaatccaac agcaacaaca gcaacagccc 240
 cagaaacaac aaacagttga ggctcctccg caaccttccc ttgaagaact tgtgagacaa 300

atgactatgc aaaacatgca gtttcaacaa gagactagag cctccattca gagcttaact 360
 actcagatgg gacaattggc tacacagtta aatcaacaac agtcccagaa ttatgacaga 420
 t 421

<210> 16563
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 16563

tcttattcac ataacaccaa tagtattcca ttataagca gagattgacg attcaaatta 60
 catatttata agagaccaac caaacacaaa gcaaccacag cttaaaacac ccgtaacaaa 120
 tcctagaaca tttgaatttg caaaggcggg ccatgaccac ttatttctaa aacttcaaac 180
 acaacacata cttattatatt attgatacat gtattacagc tatctctgct tgaaggttat 240
 gcatgttgat ctcaattgca gctgcatggg tcgcaagtgc agtttgatcc acagttgcag 300
 ccaccgttct cagctgcaac acccatttca gcaccctcga attgggcctt caccggccca 360
 acacccaaaa ctagagtctc atttgtgatc ttctcaacgt agtcaaaaga gtac 414

<210> 16564
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 16564

agcttgcttt ttgcaattct aagacactag agagcttcca agtatatgac atgtcccact 60
 tgtacttttt ctatctaatt tgcacctcgc aaaatcagaa tatgaaaaac ctgttatgtt 120
 taaggaggta cctttaggat accacataag caaacactta gcatgatatc caatctactt 180
 gcagttaggt agagaagtga ttcaatcata cctctgtatc ttgattcatc cactaattta 240
 cctttctcat caaagtcaag gtaggttgat gtagacatag gagtagatgc ttctttgcat 300
 tttttcatac caaatttctt tatcggtttt atgcaatatt tggtttgact gaggaaggtt 360
 ccatgtttca attgc 375

<210> 16565
 <211> 386
 <212> DNA

<213> Glycine max

<400> 16565

agcttggttct tgattttttc taagttcttt aacaagcttg gaacaatata tttgtccttc 60
atttaactgt ctttgggctt ggcgggccācg ātcaacaaag tactttgggc acctatgtta 120
aacaaatggc ctcagttatc ttāagaaggg ggggttgaat taagatattc caaactatct 180
cccctaatta aaaatctatt tcacttttta ctcaagttat gaattccctt aatgacaatc 240
ttcttaaata ttaattcaaa tgaaacaatt tgaatatgaa tataaagaaa taataaataa 300
aggagattaa gggaagagaa aatgcaaact cagttttata ctggttcggc cacacccttg 360
tgcctacgtc cagtccccaa gcaacc 386

<210> 16566

<211> 424

<212> DNA

<213> Glycine max

<400> 16566

ttcgacctct tgaaaaagac gctaataatt gcaccagtta tagtggctcc caattagggg 60
caagaatttg aattaatgtg tgatgctagt gactatgcgg tagagtagta ttaggacaaa 120
agagaaatgg aagatttcat gctatctact atgccaacaa agtgctaaat ggagcccaaa 180
ccaactacac aacaacggag aagaagatgc tagcagtgtt tatgcccttg aaaatttttg 240
atcatatctt gtaggatcaa agatcattgt gcaaactaac catttagcta taaaatatct 300
actcgctaaa gcggattcga agccaagatt aattagatgg gtccctgctac tacaagagtt 360
tagtttagag atttaagata aaaatgggtg tgacaaccta gtagttgatc ttttatcgag 420
acta 424

<210> 16567

<211> 413

<212> DNA

<213> Glycine max

<400> 16567

agctgggttg gaagcttgag atgagtttgt tggaccaagt ggctcggaa taattaagaa 60
ggggggttga attaattatg aacgtgtctt agctaattaa agaattatcc ttcttaatat 120

tactagattc aatgaagctt tacaactaag ttatgagaaa gttaaagaaca gaaacaataa 180
 cttagacaaa agtaaagcag aaataaaaag tgcacagcgg aaaataaaga gtgtagggaa 240
 gaagaagaca aacacaagat ttatactggt tcggccacaa cccgtgccta catccagtcc 300
 ccaagcaacc accgattctt gagatttcca ataaccttgt taaatccttt acaagcaaag 360
 atccacaacg gatgtatcct cccttgttct ctttgaacaa ccaagtggat gta 413

<210> 16568
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 16568

tcttgctgat gtcatagtct tgaagtatgt ctatgatacc aaaaaacaaa accacctcat 60
 agaactctcc aattggttct cctacaagtt gtaattcaca accacttctc ctcaccgtcc 120
 tttcagccct tgctggcatg ttcaccccca atttgatact cgcccaactg ctaacacaaa 180
 ttagatagat gtaatatcca acaagacatg acttaagtaa taatggtcag ccggagctcg 240
 ggaggagggtt ttaagataaa ttcgtagaag caaggtacaa aatatacaac catattaaga 300
 aattaaatat gccttacatc atgttgaaat attaattttt ccaaattcaa ttgaacttaa 360
 ttatgccaat gtcaagatga aaacaaaatg tgcattatat tggcaaccta tataaagaga 420
 aag 423

<210> 16569
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 16569

tatgctgcaa atattttacaa tagacctcct caacctcagc agcaaaatca accacagccg 60
 aacaattatg acctctccag caacagatac aaccctggat ggaggaatca ccctaacctc 120
 agatggtcea gccctcagca acaacaacag cagcctgctc cttccttcca aaatgctggt 180
 ggcctaagca gaccatacat tcctccacca atccaagaac aacaacaacc ccagaaacag 240
 ccaacagttg aggccccctc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300
 cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360

ggacaattgg ctaccaatt gaatcaaca cagtcccaga attctgacaa gcttccttct 420

<210> 16570

<211> 426

<212> DNA

<213> Glycine max

<400> 16570

tgaaggcatg taaccacaa tcttttcata gtagaactga tgcaatccta ccttcccaag 60

ggaattggat agcagactcc aagaagattg ggccaaagat gcaagagaag gccttaggat 120

tctcatgagc cttagggttag attttgggcc catgggctaa gtatgagccc acttatcttt 180

ctacatatta gattaagggtt tcattaattt ggggccttgt atttaagggt ccataatata 240

ggtagggtac cctagaaatg taggattttt cagcccttgt attttagggc acctagacta 300

gtttttgtat tacgggtagt tttgtaattt cacatgcatt aagtgaatat ttgatgtgtg 360

cgttgagaaa taaatctaatt tgaattggga gaagcccaat ccaattataa ttttagagggg 420

gaggtg 426

<210> 16571

<211> 333

<212> DNA

<213> Glycine max

<400> 16571

agcttctcaa tatattatgc gcctgaatcg gacttccgtt tgaaaagtta tgaccatttg 60

aatttctcga gagcattcgt tgttcaattt cgagggtgtc gatgtattat gcgcctgaac 120

cggacttccg tgtgacaagt tatgaccata tgaatttctc gagagctttc gttgttcaat 180

ttcgagcgtc tagatatagt atgcgcctga atcgactta cgtgtgacaa gttttgacca 240

tttgaatttc tcgcgagcag tcgtgggtca atttacact tctcgatata ttatgcgcct 300

aaattggact tccgtttgaa aagttatgac cat 333

<210> 16572

<211> 416

<212> DNA

<213> Glycine max

<400> 16572

tctcgatata ttatgcgcct gaatcggatg tccatttgaa aagttatgac catttgaatt 60
tctcgagagc atccgttggt caattttgac cggctcgata tattatgcgc ctgaatcgga 120
cttccgtgtg ataagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttca 180
agcttttcga tatattatgc acctgaatcg gacttccgtg tgacaagtta tgaccatttg 240
aattttctga gagcttccgt tgttcaattt caagcttctc gatatattat gcgcctgaat 300
cggacttcca ttgaaaagt tatgaccata tgaatttatc gagagcattc gtagttcaat 360
ttcgaccgtc tcgatatatt atgcgccata atcggacttc cgtgtgacaa gtcatg 416

<210> 16573
<211> 390
<212> DNA
<213> Glycine max

<400> 16573
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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaaaagatga aaatacaaaa aaaaaagtcc ttactacaaa 180
gactactcaa aatgccccga aatacaaggc taaaacccta tactactaga atggccaaaa 240
tacaaggccc aaacgaagga aaaacctatt ctaatattta caaagataag cgggctcata 300
cttagcccat gggctcaaaa tataccctaa ggctcatgag aaccctaggg ccttcccttg 360
gatctctagc ccaatctact tggagtcttc 390

<210> 16574
<211> 420
<212> DNA
<213> Glycine max

<400> 16574
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aaagttatga ccatttgaat atctcgagag cttccgttgt tcaatttcaa gcgtctctat 120
atgtgatgcg ccttaatcgg acttccgagt gaaaagtaat gaccatttga atttctcaag 180
agcttccgct gttcaatttc tggcgtctcg atatattatg tgcttgaatc cgacctccga 240
gtgaaaagtt atgaccattt gaatatctcg agaacttccg ttgttcaatt gcgagcgtct 300

ctatatgtga tgcgctcgaa tcggacgtcc gagtgaaaag taatgaccat ttgaatttct 360
caggagctta cgctgttcaa tttcgagcgt ctcgatatat tatacgctg aatcggacct 420

<210> 16575
<211> 350
<212> DNA
<213> Glycine max

<400> 16575

agcttaaaca ttcaacttcg agcgtctcga tatattacga gtctcaaaca gacatccgag 60
taaaaagtta ttcgtttgaa tttgctcaga gtttcaacgt tcaattttga gcgtctcggt 120
atattacggg actcaatcag acatccgagt aaaaagtat tgtcttttgg attggctcag 180
agattcaaca ttcaatttcg agcgtctcgt tatatcacgg gactcaatca gacatccgag 240
taaaatgata ttgtcccctg aattgggtca aagcttcaac attcaatttc gagcatctcg 300
atatatgacg ggactcaatc agacatccgg gtaaaaagat attgtcggtt 350

<210> 16576
<211> 384
<212> DNA
<213> Glycine max

<400> 16576

agcttatcaa gaggatgtaa tttagttatt ttgcatgaat tggtgcaaaa ctacatact 60
tgagttcaat ttttatgaat aaaaaaatg tttaaagcta attacacact tcaacaacaa 120
ttatatttat tgtaatgaga atgggacaaa ttcaatgaat tattgtaaat tcattttaga 180
atattttctt aataatcttc taacttatta aattaagaaa tattcattgt ttttatattt 240
atcaatttaa taatatggaa taaatttaac gaattattgt acgagacaaa agcttgcaac 300
ttttacctta gtgattcata attataatta ttaatgtgtt gataagaaag gtaggaatat 360
aggtaaaaat gcactacaag ataa 384

<210> 16577
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16577

tgtaatcgat tacacaaata ctgtaatcga ttaccataac agatttttcag aaaatattct 60
 caacagtcac atctttttat gtggttcttg aatggctatc aaaggcttat atatatgtga 120
 cttgagacac gaatttgcta agagtttttt agaacaaaaa ggtcttatcc tcttaaaaag 180
 caaaatcggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
 ttatttgggt gctcaaattg ttcaatctat ctctttcaag agagattact tcttctcttc 300
 ttctttattc tgaaaaagga ttaagagacc gagggctctt tgttgtaaag aaatttgaac 360
 acaaaggaag gattgtcctt gtgtggttca gatcttgtaa tanggtttta caagat 416

<210> 16578
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 16578
 agctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgcc 60
 atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcacg cgacaatatc 120
 tttttactcg gatgtctgat tgagttcttt aatataacga gacgctcgaa attgattgtt 180
 gaacctctga gcaaattcaa acgacaataa cttttttctc ggatgtctga ttgagtcttg 240
 tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtcct gtcatatatc gagacgctcg a 351

<210> 16579
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16579

ntaacttaat caattcaaaa gccttttgtg cttgttcatt ccacccaaac gcacccttct 60
 tcaaacattc ggtcatagga cttgctatag tgctaaaatt ctggataaag cgtcgataaa 120
 atgatgcaag accaaggaaa gatctcacct ccgaaactgt tgtagggctc ggccaagtct 180
 tgatagcatc cacttttgtt tgatcaacgg atactccatc tttagacacc acatatccaa 240
 gaaacaccac actttcaacc aagaaatcac acttttcctt cttcccatag agtttttgtg 300

ctcttagggt ctcaaattt tgtttcacat gagtgaatg ctctctata gatttgctat 360
acaccaatat gtcataaga taaacaacaa caaacttacc caca 404

<210> 16580
<211> 416
<212> DNA
<213> Glycine max

<400> 16580

tgcagaaaat tcaaacgaca ttaacttttt actccgatgt ccaattgagt ccataatat 60
atcgagacgc taaaatttta aaaaagaaac tctgagcaaa ttcaaacgac aataacattt 120
tactcggatg tccaattgaa tccataata tattgagacg ctcgaaattt aaaacagaag 180
ctctaagcaa attcaaacga caataacatt ttactcggat gtgctattga gtcccgtaat 240
atatcgagac actcaaaatt taaaacagaa gtcataaga aattctaacg acaataacat 300
tttactcgggt tgtccgattg agtctgttaa aatatacaga cactccaaat tgaaaacaga 360
agctccgaga aaattcaaag gacattaact ttatactcgg atgtcttatg gagtcc 416

<210> 16581
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16581

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cccattttta atggagaggg ttaccactac tggaaaatcc gaatgcaaat tttcattgag 120
gcaatagatt taaacatttg ggaagccata gaagttggac cttatgtacc caccatggtg 180
gctggaaata caacaataga gaagcctaga gaagagtggc ctgaagaaga aagaagatta 240
gtgcagtata atttaaaggc taaaacatc attacctctg ccctaggaat ggatgaatat 300
tttaagggtg caaattgtaa gagtgtctag gatattggg acactctact aggtacacat 360
gacggaacaa atgatgtcaa aagatctacg ataaatactn taactcatga gtatngaatt 420
attangatga agacaaatga gagtatacaa gata 454

<210> 16582
<211> 449

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16582

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agagagttgg actaaccocg actggcagtc ccaaaaagtg aaaaggtgga gaagcaaccc 120
tgcatgaaag gaaatttgca gctggctcat taaatctttg gtttgtgcca atcccataaa 180
agacactctt aaggaagtta actaacaatc cagagaccaa ttcgaagcct cggaatattg 240
cttttattgc ccaaagacta tcatgagtca cctgtccac cataactgaa tcatcagtgt 300
attggagaat tgagtattgg aactcttctc caactttcat acctttgaat agtcttttct 360
ccaccgtgct atgaaccgcc ccgtagacc ttgagcagct atcaagaaca naaatggaga 420
caacggatca ccctgcttca agcctctta 449

<210> 16583
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16583

agcttaatct gttttctctg ctctttgatc ccgtgaaaaa aaaaatggct ggagatgaag 60
aaaagcttcg aatagtgtga tgtttccatg gctagccttt ggtcacatga tcccaaacct 120
tgagctggcc aaactcattg ctcaaaaggg tcaccacgtg agtttcgtat ccaccaaga 180
aacatagagc gtcttccaaa accgtcacta aacacacttg atatcaattt cgtgaacctt 240
ccactgccta aagtccaaaa ccttccagaa aacgcagaag ccaacactga catcccctac 300
gacgtctttg aacacctcan agaagcctac gacgttctcc aagaaccgct gaaacgttnt 360
ctcgaatctt ccanaccga ttgagtcttc tacgacttcg ctccc 405

<210> 16584
<211> 409
<212> DNA
<213> Glycine max

<400> 16584

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ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctg ttgcttaaga 300
acattgacag cttcttcttg tttctctcca catttgaaac caacatattt cttgagcact 360
tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa atcgtctat 409

<210> 16585
<211> 460
<212> DNA
<213> Glycine max

<400> 16585
actaagctcg aattgaaaat ggaagctctc agaaaacaaa ttgtcttact tttcactcgg 60
attgccgatt caggtgcata acatatcgag acgctcaaaa ttgaacaaca gaagctctcg 120
agaaattcaa atggtcataa gttttcacat ggatatccga ttctgtgtta taatatatcg 180
agacggtcga aattgaacaa cgactctaga aattcaaatg gtcataactt ttcactcggga 240
tgttcgattc aggcgcataa catatcgaga cactcggaat tgaacaatgg aagctctcga 300
gaaatacaaa tggtcataac ttctcactcg gatggccgat taaggcgcat cacatatcga 360
gacgctcaaa attgaacaac ggaagctctc gagaaattca aatggtcata acttttaact 420
cagatgtccg attcggggat aaaatatatc gagacgctcg 460

<210> 16586
<211> 394
<212> DNA
<213> Glycine max

<400> 16586
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tcaccattgg gagatataat gacaagggtgc tgtgtgatgt ggtcccaatg gaagcgaccc 120
atgtgctgtt aagaagatcg aggcagtatg ataccaaggc agtgcattgat ggcttcacca 180
actacatctc tttctagcga gctgacaaga agattgttct caaacctgta tctcctcaag 240
aggtttgtga ggatcagata aaaatgagag atatgatgaa gagtgagaca ctcgagagga 300

aaaagagtga gacacttgag aaggataagt gaggaagag aaagagtga acacttgaga 360
 gggaaaagag agaatacata gagagtga cact 394

<210> 16587
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 16587

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 agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
 ggaagcggta tgtgtcggct agttactcaa ggaattgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggt aagaagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaagattga agaagatgat aaggtaacta tggctcgatt tcttaatggt ttgactaatg 300
 atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg tttcaciaag 360
 caatccaagt agagcaacaa ttaaaaagga agggagtggc taagaggagt t 411

<210> 16588
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 16588

ttatatacac aaaccaaggt accatgagag tgtttcatat cagatacaag aacaatgctg 60
 ataagaatta cacttactcc agtgaacaca gttatagcat cttcggcctt agaaccatca 120
 gttggatatg actcacgcca tatctgcca acacctatca cactaaattt tggcaaaaac 180
 tcaaccttcg acatgacata taaattctta gccacaataa aatatttaaa atggatactg 240
 tctatttaga ggccactata acaaaagtta agagttctta tctcttgttt tagtaatgta 300
 tcttcttcgc aagcagaagt gaagataata tattaccgtg gagcctgcat agagaggggc 360
 cattaaacca ttgaaaaacc catgaacatg tatattatat atgttaagga ctgacgtaat 420
 aaagatatcc caaatgtttt aaa 443

<210> 16589
 <211> 411

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16589

ttttcatgca agtttaccag aaatactttt atcaactttt acagattaat tttgaaaaaa 60
tttaatatcc aaattgttgg tatttttagga tcctggtgaa cccataaaat aaaaaatggt 120
caattttgat gaaaatgctt gttgaaagct gttctgagta cgtacttcat actacatgta 180
tggtatttac catatatgat caaatgaaat aaaatagtaa aaaaaaatgc acatataaag 240
taatgtatgt gtaaattttg atgtaactca ttttattaat ttcaaaaatt aaattcttat 300
tagtaatttc cagttgataa ataactttat tttatactaa tgacttaaata aacacttta 360
tttacaaga gctntaattt aattggttta acaggtgcgt taattattac a 411

<210> 16590
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16590

actcaagcta caagacaaag atggcctcaa caaataccaa tcaccttatt gaattctatc 60
aatagacctc caatctttaa tggagagggt taccactact ggaaaacccg aatgcaaatt 120
tttattgagg caatagatct aaatatttgg gaagccatag aaatagggcc ttatatcccc 180
actacagtag aaagagttac aatagatggt agttcatcaa gtgaaaacat aactatagaa 240
aaacctagag atagatgggc tgaagaggat agaaaacgag tacaatacaa cttanaagcc 300
aaaaacataa taacatctgc cctgcgaatg gatgaatatt tcagggtttc aaattgtaag 360
agtgctaagg aaatgtggga cactcttcga ttaacacatg aaggaactac agatgataaa 420
agatctagga tatatgcact aactcatgag tatgaatta 459

<210> 16591
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16591

agtttcttca tcagaccact tccaggggtgc tggaactact tcacatggat ttgatggggc 60
 ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120
 ccagatttac ctngtcaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcactc 300
 atgagttctc tgcagccatt acaccacaac agaatgggat agttgagagg aaaaacagga 360
 ctttgaaga ggctgctagg gtcatgcttc atgccaaaga acttcctat aatc 414

<210> 16592
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16592

tgtaagattt gcaagatcat cttccttgac aacttccttg aaaaagattg ccgtcaatat 60
 gaagagagaa caatttagag agtgatcgaa gactttcaaa tggatttcca ctgaatttat 120
 tcatagagag atcgagatat cttaatgatg aaagttttcc aaatgatcta ggaagagcac 180
 caccaattga gttgttgaa aaaagtaacg tgtcaatatt tttaaagcc ccaatatgat 240
 ctgtcagatt gcctgaaagt cgtgaactct gaactgcaag tcttgtagt ccatgggaaa 300
 tacaaggagc aagaatttct aaaagtcat taacctgttg gttgagtttg agatatgata 360
 aatctatcac ccttaagttg cagagattac ccanagaagt tggaatgttt ccttcaagtt 420
 gattatgtga taaatcaagt tcaacaagag 450

<210> 16593
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16593

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 accgattgat aaatgagaaa gagagctttc ttgtctctct ttcttgactc cttcaacgtc 120
 tcctttacac cttggcttag caaggcttca tcttgctcct caaagtcatt ctctacgata 180

tcccacacat cttgagctcc tagtagcgcc ttcattctga tactccaatt atcatagttg 240
 ttctttgtga gcatcggaat ttggaaagga aaacctccat tcgccatctt ttgaggatct 300
 tgaagctctg ataccactnt gttggaaata aggctntnta tgtttaggaa aagtgtttag 360
 gaaatttga gactntgaat agaaacttga taggaaggag aattcttta 409

<210> 16594
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16594

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 ccatctggaa gaggtcaagg atcacaaaga gctgcagcag tggctgctct ttcacaagtt 120
 cttacggccg aaaagaaaaa atcacctgat ggttctcctg ttgctagcag gagtccatc 180
 actcaaggta gcgctactgg taagaaaaac agttcttgtc taaatatgat gttgcattcc 240
 ctgaatacaa tgggttggct gggttgaata ttttactaca ccctattact ttggtttata 300
 cttttgaaat ttgaataatt aatataatcc tttttgttta gttctaatta tttgatattt 360
 tttaatcata ataatagata ctgctagtaa actactaaga gtggagctct aagcgctaca 420
 ttgatgtact actaaggggt ttattgagat tc 452

<210> 16595
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16595

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 tgcaacaaga aggttttagac tatactgaag tatttgctct agtagcaaga ttggagactg 120
 taagattgat tgtttccctg gctagctgga gaaattggaa actgtggcta ctaaattgtca 180
 agtcagcctt tctaaatggg ccacttgatg aagaagtttt tgtggtacaa cctcctggct 240
 tcatatgtaa aggtaaagaa caaaaggttt tgagactgaa gaaggccttg tatggcttga 300
 aacaagcacc tagggcatgg aacaaaagga ttgattcctt tctcactggg tttggctttc 360

agaaatgctc agttgagcat ggtgtgtata tcanaacagt aagtgaaact aagattgtgg 420
 tgctatactt agatgatgat gatttactca tcaactgatag tag 463

<210> 16596
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16596

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 taagaaaaaa tgaaatTTTT aaaaatacta ttcaaccttc cttgtgttat ttgtctatgc 120
 acaaataatg taaggacata aatagctcac tagaaatgaa gcttccattt gaacttcatt 180
 tgaaatatat aatttgtctt taaatacaaa gaaatcacgt tttctcaaaa attaataaat 240
 aagtaaaaat gaaaatgaca aaacaatctt gttccctttt aattnttctt tctccttttc 300
 accttttcac taaatcatgt atttaattaa tataattaat tatgtaataa aaataaaggc 360
 atcctanaat aaagggtctag taataatcac tttagatgca cttctg 406

<210> 16597
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 16597

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 cctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata cacctttggt 120
 tggttctcta tttggttctt aacctctca tgcattctt ttacaaattc tgacctagat 180
 tccccctctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtggt 240
 aggggattaa acccatagac aacctcaaaa ggggactgct tgggtggttct atgaaccccc 300
 ctgtttagg caaattctac atgaggaaga tactcatccc aagacttatg gttgcctttc 360
 agaagagccc ttataagggc ggataaagac ctattcacta cc 402

<210> 16598
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 16598

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gggtgctctac attatgctac tatcacacat ccaaaaatta gtttctctga caataaagtt 120
ttccaattta tgagtcagcc aacagaacag gattggggttg ctgtcaagag aatccccggg 180
tatctaaagg gcacacttca ttttgggctg aaactggaac ccaatttttc tacaaagcac 240
tactctgttc atgccttttg cgatgctgac tgggcttcag accttgatga tcgaagctct 300
acctctgggg ctgttgatgat cttacgcccc aatcttgtct cttggtgatc caaacagcaa 360
tctgttggtg ccaggtccag tactgatgca gagtaca 397

<210> 16599

<211> 453

<212> DNA

<213> Glycine max

<400> 16599

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gaatgacaga tgtataagtg acaacatttg gagtacaaac tccacctttc tccatttcat 120
ccaacaattg caatgctctt tccatagacc cagacctaca aaagccatct aaaatggccg 180
ataaaatcac caaattgggc gaacatccat gtagtctcat aaccttaagc acagagtagg 240
cctcctcaga tcgacccgcg ttagagaatc cctcaactat tgccatatac gtaataagat 300
caggacaaag gccattggaa ctcatctcac tggccaactt cagagccgtt tcaatgtcac 360
ccttcttgca acacaacctt ataaccagat tatacatgac agtgtcagcg tggaggttga 420
aagtgtcctc catcttcctc aacaccaca gag 453

<210> 16600

<211> 415

<212> DNA

<213> Glycine max

<400> 16600

agctttgatg gtgtcgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
gaatgtatgt atacatgatt ttgatgatgt ctaaagaaga atcaacaag gctcattttg 120
cttcaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag 180

atcaagcctt gccTcaaaat gtagagattt caagtcattc aaggcacatg taatcgatta 240
ccaatacatg taatcgatta ccaaggcaca tgaaagtgtg taatcgatta cacatcatat 300
gtaatcgatt accatagact ctgaacgttg ggaattcaaa ttttaaataga agagtcacaa 360
ctgttcaaga taaacaattg tgtaatcgat tacactaatt ctgtaatcga ttacc 415

<210> 16601
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16601

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cgccaaacca cttagcagtt tggtgaataa agatgttgct attttgttta atgaagagtg 120
tatggatgca tttaatgatt tgaacaccag attagtgtct gctccagtaa ttatagcacc 180
aaattggggg caagaatttg agctgatgtg tgatgcaagt gattatgcca tatgtgcagt 240
gcttggacaa aggaagggaa aaaattttta tgctatatac tacgccaaca tggttctaaa 300
tgatgcacaa gtgaactatt ctaccacaga aaaagaaatg ctggtaattg tttatgcact 360
tgtaaagttc atatcttatt tggtaggctc aagagttatc atctacactg atcacgcagc 420
tattacatat ttgctc 436

<210> 16602
<211> 338
<212> DNA
<213> Glycine max
<400> 16602

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caattcatta gcgggcctaa cttcagtgac caacatcatg ggatgtaccc agcctttgat 120
gaccgctttc caagttctgc tatccagaga tctgaggaag gccaccatcc ttgctatcca 180
gtattcataa caggatccat ccagaataga gggctctgtaa actgatccac cttctatcac 240
catgttcaac agacaagatc tccctagatc tcaactcacag ataccgagtg ccacgactga 300
taccaatcga aattatgata ccaaagccac atgacgta 338

<210> 16603
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 16603

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actcggcctt cttctatgat cagattggga atgcctctaa cagcaccttt gtcaatgatt 60
atcttcacgc ctcttaagtg catatgtcca aatctttgat gccatatatt gacttcacct 120
tctttggaga ctagacatgt ggaggagtaa ctggtttctt gaggtgtcca tatgtaacag 180
ttgtcctttg atctgctgcc cttcattatg acttcactct tctaatttgt caccaagcat 240
tctgactttg tgacagttac attgagtact tcatgacaca actgactgat gctgatcaag 300
ctctcagtca gtccctttac cagcagtact ttgttcagac taggaagtcc ttcattggact 360
acctgtacca ttccagtgat 380
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<210> 16604
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16604

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gaagaatgtg gcatttacct gtggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120
aaagcttact aaggcaccta ttctagctct tctgacttt tctaaaactt ttgagctaga 180
atgtgatgcc tctggagtgg gagtcggagc tgtattgtta caagggtggac accctattgc 240
ttatcttact gaaaaacttt atagtgcac cctcaactac cccacctatg ataaagagct 300
ctatgcctta ataagagctc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360
cattcatagt gatcatcaat cacttagtac attagagggc acagcaagtt aacataagg 420
catgc 425
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<210> 16605
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 16605

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catcaaggac aaaaaatggt ctaaaaatgt ggtagcagac cacctatcca gattgggtgaa 120
tgaagatgtc acttcaaaag aggttgaaat aagagataaa tttcttgatg aatctttggt 180
tctgattgca gggagaccct ggtagctga tatggctaata tacaaggcag caggtgtcat 240
accaaagac ctcaattggc agcagagaaa gagattcttc tatgatgcac acttattcaa 300
agtaagtgtg gataatctcc ttggaagatg tgtgacaagt gaggaggccg acggcatatt 360
gtggcattgt cacaattcac catgtggcgg gcattatggc 400

<210> 16606
<211> 445
<212> DNA
<213> Glycine max

<400> 16606
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caaacttggc ctcttacctc tctaccacca cataaaacaa ccattggttg tcgctagggt 120
tacaagataa agtatcatgt tgacggctcc gttgaaagg acaaagcacg cctagtcgag 180
aaagggata cccaaatgga aggtttggac tttctagaca cttctctcc ggtagcaaaa 240
ctcaccactg tgcgtttact cctcgcccta actgcactta ataattggca cttacgacaa 300
ctagatgtga ataacgctct cttcatggc gagcttaatg aagaagtcta catgcacatt 360
ccttagggtc tttctgtgga taatcctcat cttgtttgtc gccttcaaca ttccttatat 420
gggctcaaac aagccagtcg acaat 445

<210> 16607
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16607

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agttttatgc aaccagaaaa tttctctgc tgtcattgtt agagactaaa gcttaacttt 120
caagcatgtg taagaactaa aatttacaat tttctgaaa ctactata aatggaaac 180

aaccaagggg gaagatgaat aatttaacat caattataac ataccttttg aaaattagtc 240
 tccgcatcat tttcttcttc cgccttgatg atatctgtga ggtgggtcaat caggttcaac 300
 tcccacgtat ttttctgatt aattntctgc aagcacacaa aataaaaaaa ataaaaaaat 360
 tatttcttct ttttgttttt ttttgtgggg gggggggggg 399

<210> 16608
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16608

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 agactccaag aagattcggc cagaaataca ggagaaggtc ctanagttct catgagcctt 120
 acggtagatt ctngtcaat ggactaagta tgagaccact tatttttgta catattagtt 180
 tagggtttca ttatttttgg gtcttgtatt tacggctcca tagttagggg aggggtaccct 240
 aataatgtag gatttttcaa cccttgtatt ttagggcact tgactagttt tgtataaggg 300
 tagttttgta atttacctgc attaatgca ctatttg 337

<210> 16609
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 16609

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 acccattggc cttctgtgaa tgttttgtct gtgcgcttaa gattgctctg ttgggtcata 120
 cgattccttg ctcgaatgag atttgttttc agtagctaca atatctcttt cttttgagaa 180
 agtaattcct ctaacaaaga aattttggac aactaagta catgggaggc aatacaagga 240
 ggcaatatgc catacaacgg ttcacatagg gacatadcta tggctgaatg ataggaggaa 300
 ttgtaccaa attcagccaa tgggaggaaa cggatccacc attgtggttc atcactcaca 360
 aagcaacaca agtacgtctt taaacatct 389

<210> 16610
 <211> 407

<212> DNA
<213> Glycine max

<400> 16610

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tgcaacatat ttctttggcc taataactaac ttcaacattt ttacagcttc taatgttatg 120
attggtttgg ccacaccttc cacatgtaaa ctcaaccaat ttctctctta acttatgtac 180
tgagacattg gcctcatgta cagatctcct tctatatttc attggccttc ctgtatggac 240
ccttttatgt ggaggaacag ggcgagtata ttgagtctgg gtccaatatt gcggtccttg 300
gactgggtca ataaaatgct ggtatgtctt atgatagact tctattgaca gccactcatg 360
acacgtgtcc tcatgcttcc ctcttttgag agttattgcc gcaatgg 407

<210> 16611
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16611

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cttgtagaaa tcataggcat gtggagctcg cggaagtggc tgctatgcat ctaatggaat 120
tagagcctga gagtgtgctg aacctcttc tgctgtccag cgtatatgct gatgctggca 180
aatggggaaa gtttgagagg gtcaagaaaa ggataaagaa gggaaaactg agaaaacttc 240
aaggtttgag ttggatagaa aatttataac attatangta cgttgggttg tagaggccat 300
angttttgct tcttcatgaa gagaaggga cacctactgg tataattttt gatgtatcgn 360
ttgtgctcct catg 374

<210> 16612
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16612

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ccatgtcgac accaaacacg tttgtttcca aggaaaaagg gataatgaag tccggcaaga 120

gtaaagtagg ggctatagaa agcacatcct tcaatccagt gaaaacttgt tgcgccttag 180
atgaccactc aaaggggtac ttcataagta acctgggttaa ataagctgca atggaggcat 240
agccacgaat aaatcgggtga tagaaacccg agaggcccaa aaaactgtgc aaggccttgg 300
aggaatgagg tgtgggtcac tgctaaatgg cttggacctt agccgacact ggttcaactc 360
cttgtgcaaa aaccaggtga cccaagaact caacttggtg ctgggcaaag gtgcacttgg 420
atagtttgag gaagaactga ccatctagaa ggacctga 458

<210> 16613
<211> 447
<212> DNA
<213> Glycine max

<400> 16613

ctatagaaac tcagcttgaa atgggaatgc actagcatcc tactctttct ccaaactcga 60
aggtggagga cacatgaacg aaaacacaat tcatggggct ccgaaaaagg ggttgagaat 120
ggagaattac actaagcaat cactacgcat agctccaaac tcgaaggtgg aggacacatg 180
aaagataacg caattcatgg ggctccgaaa agattgagaa tggagaattg cactacgcaa 240
tcactacgca tagctccaaa cggaaggtg gaggacacat gaatgaaaac gcaattcatg 300
gggctccgaa aagattgaga atggagaatt gcactaagca atcactacgc atagctccaa 360
actcaaaggt ggaggacaca tgaacataac gcaattcatg gcgcttcgga aagagtgaga 420
atggagagag gaactaatca atcacta 447

<210> 16614
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16614

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cttggttcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgattt 120
ttcttttcaa tttgaacctt cacttgctca tgcaacttct tcatatactc agctttagcc 180
tgtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240

aaaggattaa atccatacac tatctcanat ggtgaacaat tagttgtgct atggacagcc 300
cgattataag caaactcaac atgaggcana caggcttccc aagatttaag attnttcttt 360
aaaacagtcc taagcagtgt gcctaaagtc ctatggacta cctcagttt 409

<210> 16615
<211> 446
<212> DNA
<213> Glycine max

<400> 16615

tgtggaaaca aaaaagtgc acacatttga ttagtttata ggcttctgaa gttggcttta 60
gtcttgccgg tagcaactgc aagcgtggta catgtttttt cagctatgaa gtttgtgaag 120
agtcagctat gtaacaaaat gggatgatcaa tgggttaaag atctgaaatt ctgatactgg 180
ggacagatgt cgtacaggat gtcacgacat cgcgcttcag aacatgcaga ttatatgtgt 240
gtccgtatga acagattaaa caagtaaata acacatgaga attgttaacc cagttcgggtg 300
caacctcacc tacatctggg ggctaccaag ccagggagga aatccactaa aatagtgtta 360
gttcaaggtc taacagccac tgtttacaac cttctcacct aaccactacc catgcgacct 420
ctacctatga gccactctta gatatg 446

<210> 16616
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16616

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ccatgtcgac accaaacacg tttgtttcca aggaaaaagg gataatgaag tccggcaaga 120
gtaaagtagg ggctatagaa agcacatcct tcaatccagt gaaaacttgt tgcgccttag 180
atgaccactc aaaggggtac ttcataagta acctgggtta ataagctgca atggaggcat 240
agccacgaat aaatcgggtga tagaaacccg agaggcccaa aaaactgtgc aaggccttgg 300
aggaatgagg tgtgggtcac tgctaaatgg cttggacctt agccgacact ggttcaactc 360
cttgtgcaaa aaccaggtga cccaagaact caacttggtg ctgggcaaag gtgcacttgg 420
atagtttgag gaagaactga ccatcta 447

<210> 16617
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16617

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 tgagaattta cttaggaaat ctaatatcat tctcatcaat gacttataag tgatctcgtg 120
 tatatatata tatagtgggtg tgtgtataaa atatagtcac ctgtcactat tttcatgcc 180
 acaatatagt accaaataga taattaaatt acaaaaatta atgagggttaa taattatgta 240
 gatgatgtaa aaatttctta aggggttctc tagactatca atgataggaa acaacaggat 300
 cttgaaacct atgggttctca caaacaatca ataaacaaca atagataatg atgtgtacct 360
 ttctccatag gaagacttgt naatttctcca tangaacttc tctc 404

<210> 16618
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16618

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 cttgatgaag aactgacaa aaacttatct tctccttctg ggacaaagtg tgacaagcct 120
 gnggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgctcgt atccccatgt 180
 cagctagatc ttgacggata ttcaagccat ccttcgtctt gccttgaatg tttaggagcg 240
 tccaatcac attatcacat acatttttct ccacatgcat aacatcaata caatgtctaa 300
 cgtccagatc agaccagtat gggagatcaa agaaaatgga cctcttcttc catatgcaag 360
 tcttactctt atccttcttt tgggtcttcc caaatacaat attcaggtgt tgaacccgct 420
 ggtataacctg ttcaccagtc aacagtatcg gtgcaatatc gt 462

<210> 16619
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 16619

gtaatgtttc aagaatgtcc ttatgtatat tatatacatt gttatgctca tcaattacaa 60
cttgcctcttg ttgcttcaac tagatgggta gttgatgtac gcgctttttt ttaaacttga 120
atatgattgt aaatgttgtg tgttcttctt gtaaacacaa tcatgagtta caagttgctt 180
atgtaactaa aattttctcat ttgattgccca atgatgagat tgatattgga aggggaacta 240
atcaaattga cacattacag agactgggag ataccagatg gagttctcat ttcaattcga 300
ttggtattct tttatgcatg tataatgcat ctacagcagt tcttgaagaa ttagctgcta 360
aatgatctac tgctactcaa tgaggatgac tactgattgg ccaaagcat attgtcajtt 420
gatgtatttt actctatatg tatgaaa 447

<210> 16620

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16620

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ttaagttttg tcaaggaaga aagattagtc aaccactctg catccttaga tttgacatca 120
aaattgccac caagtccaag agtgtgcaac aaaggaagat tccaacctg gaaagggagt 180
gctcccgaaa atgaattctc accaagatca agatacctca actgtgagag attttcaagt 240
tgatatggga gttccccatc tagatcatta tcaacttagat caagatattg taaatgcgta 300
aggtttccaa gttgataagg gagttcccca tctagatcat tatcacttag atcaagatat 360
tgtaaatgtg taaggtttcc aagttgataa gggaattgtc catggagata aa 412

<210> 16621

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16621

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aatgtttcct tttgtcctct aacaacttac ctgctaaaac atagttgctc ccattatcag 120

ttacaacttg aacaacgttc ttttcccaa cttcctccac aatagcatca agcaactcaa 180
aaagcttttc acctgtcttt acaaaatcag agtcatcaac agacttcaaa aacattgtac 240
caacttgaga gttaataaaa aactaatgat gcatctttgt ttccaatcag tccatgcatc 300
ggacataata gtacaaccat acttgaccca ttgctccttg tggcctttca tcaaattntc 360
agtgtattca acttccttct tcaggagtgg aactctgatg tcatgatagc 410

<210> 16622
<211> 399
<212> DNA
<213> Glycine max

<400> 16622

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ctaaatcaaa gagaaaagg gccaaggat ctcttgctg cagccctctt tgaggtttaa 120
actctgaagt agggcttcca ttaacaagaa tagagatgga agctgaagag aagcaggcct 180
ttatccatct aatccatctc tcatgaaaac ccattctctt catcatataa atgagaaatt 240
gccacgaaac agaatcataa gccttctcaa agtctacctt atagaccata caagacttct 300
tggatcttcg agcctcctca atcacctcat tagccaccaa aactccatga agcaaagtgc 360
tgccttttat atatgttgtc tgcctttcat ctataagac 399

<210> 16623
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16623

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gcatctgata taatttaaaa tgtaagtcca acatcagttt tcaataaata aataaaaaatc 120
gatgttaaca aatgatggtt aacattaaca tcggttttct gcaagaaacc gatgttaact 180
tatcacacat taacatcaat tttctaaaaa cccgatgtta acgaacttac gttaacatcg 240
gttcttccaa aatcgatggt aactaataaa tgttgacatc ggtttttcaa gaaccgatgt 300
taatgaaaag tcacttcatt aacatcgaat tttcaaaaaa ccgatgttaa tgaatacaca 360

ttatttgcaa ttatgtcacc gcatttatct taacatcggg tntgtcaaaa atcgatatta 420
 atttgccgat gttaaatctg cnttgtgtag tagtgt 456

<210> 16624
 <211> 450
 <212> DNA
 <213> Glycine max
 <400> 16624

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 agctcacctc cttgagaagc ttccttaaga ggattcctaa agaagctaga gcttagctac 120
 acatacctct ctaatagcaa agctcacctc cttgagatga gaagctagag cttagctaca 180
 cacccttat aatagctaag ctcaccccca tgacaaaata catgaaaata caaaaaaat 240
 ccctactaca aagactactc aaaatgcctc gaaatacaag gctaaaaccc tatattacta 300
 gaatggccaa aatacaagac ccaaacgaaa ggaaaaacct attctaatat ttacaaagat 360
 aagcgggctc atacttagcc catgggctca aaatctaccc taaggctcat gagaacccta 420
 gggccttccc ttggatctct ggtccaatct 450

<210> 16625
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16625

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 aggtagagga cggggagatc aaacactatt agaaaataca ctttcaacat cggttatttg 120
 gggccttcta catcggttgt aaaaccgatg ttgaaagcat cgatgttgaa tgtattgttg 180
 ttaacatcgg ttttaaaaac tgatgttaac ataaaaatat taacatcagt tttataaata 240
 accgatgtta taaagaaaga agtacaacaa aataagtgtg tgcgtgaggg acgttggcat 300
 cagttttctg taaaaaccga tgtgaatatg ttatattaac atcagttntt agaggaaacc 360
 gatgtgaacg ttcatcattc atgcacctat tntgctatag t 401

<210> 16626
 <211> 396

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16626

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gactggttca actccattgc cggagacgag atgtcccagg tactccagtt gggactgggc 120
aaaagcgcat ttgggtcggt tcaaggagaa cttccctgaa agcaagagct tgaacgctgt 180
ttcgaggatga cccacatggt ccgccatggt ttactatag accaacacat catcgaagaa 240
gacgatgatg aatctgcgta agcagggctg aaagagctga ttcatagtag cttgaaaggt 300
tgatagagca ttacacaaac caaagggcat tactcagaac tcgtaatgcc cttgatgggt 360
tctgaattcc gttttgtgaa tatcatcatc tttcat 396

<210> 16627
<211> 390
<212> DNA
<213> Glycine max

<400> 16627

tgcgaatgct ttcactgatt gcggttagagg ccactcatgt atagcctgta acttttctgg 60
gactggttca actccattgc cggagacgag atgtcccagg tactccagtt gggactgggc 120
aaaagcgcat ttgggtcggt tcaaggagaa cttccctgaa agcaagagct tgaacgctgt 180
ttcgaggatga cccacatggt ccgccatggt ttactatag accaacacat catcgaagaa 240
gacgatgatg aatctgcgta agcagggctg aaagagctga ttcatagtag cttgaaaggt 300
tgatagagca ttacacaaac catagggcat tactcagaac tcgtaatgcc cttgatgggt 360
tctgaattcc gttttgtgaat atcatcatct 390

<210> 16628
<211> 342
<212> DNA
<213> Glycine max

<400> 16628

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tatatggcct tgattctctc aggggtccact tggaccccat ttctaccaac taaaaacatt 120

aataaaaacta tatttatctac acaaaaagta cacttctcta tattggcata gagagtgttt 180
 atcctaataga ctgaaagaac ttgccttaca tgtcctaagt gatatatgct cttactatac 240
 actaaaatat catcaaaaata aacaactaca aatctaccta taaaatgcct taatacatga 300
 tgcataagcc tcataaatgc gcttgttgca ttattgaacc ca 342

<210> 16629
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16629

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 tcacagtgtc ttttaagggtta gaaaactccg acataaaaga attcgctacc acataaaaga 120
 cccctcttca ctatagcaca atggatcagc attcctaaaa ttaccttggc agaacccttg 180
 caaacatcta tgaggcttgc aaatgtaatc tcagatggct tcagtcccaa tatctgcac 240
 tcataaagaa gattaataga ttcttttgtg ttttttagag catatcctgc aatcagagca 300
 ttcacagaga ccacactctg ctccggcatg ctagaataaa ttntatgtgt atcttcgatg 360
 tccccgcact ttgaatacat gtcaataaga gaacttcag 400

<210> 16630
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 16630

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 atgagggcca ccgacaattt ttcacctcag aacttcattg gaagaggtgg gtttgggttg 120
 gtttacaagg gcattctacc tgatggctca atggttgctg tgaaaaggct tgaagaatca 180
 gattctcaag gtgatgcttt gttctgcagt gaggtggaga ttgttagcaa cttgaagcac 240
 cgaaatctgg taccgctaaa aggggtgttg gtggttgatg aggggaatga taatcacaat 300
 tctgagtacg gaagaaggta tctagttcat gaatatatgc caaatggtag ccttgaagac 360
 catctctttc caaccaaact agacaatc 388

<210> 16631
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 16631

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 aatttcctaaa ataaataaaa tagaagcaaa cttatttcat gctggaactg tttgataatt 180
 cagatgaaac tgaacacttt aacttcagtt aagaaaccac tgcccatgct atatctgtat 240
 tggaacatat tctacaaatt taactaaata catatatttt taatatgctg catgtaaact 300
 tacatgtctg acttccgacc caactgtttc tgtggtaaaa taatttgac cgaatgggaa 360
 tcatcagtcg tggggattgg gtgactcatt atggctattg ctcttgcaac ccta 414

<210> 16632
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 16632

agcttgaggg gctcttctct gagaagattc tgcagacaaa ggaaaacaga aaattttgaa 60
 caaattttca aaactctggc taaaatcatc taaaaacttc aacatagcaa aagtaagtaa 120
 ctgacattgc taaagcatgc aagaaccga ggaacaccct cacttgacc atcaatgcca 180
 ggaatgaaat ccattcgagg tccaatccag ttaaaaggcc tcacaattgt gaactccaag 240
 ccattttcag caccctcagc tgccaataat cacacatcag tgagaattaa caaaattgaa 300
 aaagaaaaaa aaaaacaaca cctaaacaaa aacaaatcaa aactcaccat aaatcagcct 360
 ctcaatcaac tgtttcgcac aggcataaga ccacctctgt tt 402

<210> 16633
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16633

atactcaagc ttgcagacca gtgatntggt tgaggtaaca aatccgggat gctgttgc 60

gtagacctct tctcttaaga tgccattaag gaaggcattg ttcacatcca actgctgtat 120
 tggccagtta ttagtgacag caagagtaag aagaagtttc agtgataggc ttgataactg 180
 gtgagaatgt ttctgtataa tcagtaccaa actgctgatg aaagcctttt gccactagtc 240
 tagctttgta cttatttaca gtaccatcat aattttcttt gacccgaaac acccaacttgc 300
 aaccaatatg attactatca aggcctccatg tattgttttt aatcaaggca tcataactcag 360
 tttgcatagc agccaaccat gtagtatcgc taaggcttgi ttagtagata tgggttccaa 420
 atgagtcaaa a 431

<210> 16634
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16634
 tgtaatcgat tacacacata ctataatcga ttaccagatt atattttcat aaaatattct 60
 caattgtcac atcttttcat ttggttcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatatgcta agagttttta agaacaaaaa ggtcttatcc tcttaaaaag 180
 caaaatcgta ttatcctctt acaaattcct tggcgcaaaa cacttgatgat tcaataagga 240
 attatttgag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttctttt 300
 cttctttatt ctgaaaaggg attaagagac cgagggtctc ttgttgatgaa agaattctaa 360
 acacaaagga aggattgtcc ttgtgtgtat aaaacttgta aaaggaatat ac 412

<210> 16635
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 16635
 agccttgccc gcatgcctgt ccaacatctg gtccatgaac ggcaaaggag aatgatcttt 60
 ccttgaggct tcattgagct tgcggtaatt gacgcatatt ctcacaacca acgataaact 120
 tcgttgggat taggacattc ttgtcattgc aatgactac cgtacccctt gtattcggca 180
 ccacctggac tacgattaca taaccactgt gggaaatggg gtacatacgc ccaacactaa 240
 aaagctgaag cacctgtttc ctcacctctt acttcattga tggaggaagc acttgatga 300

ggctggctga ctggtctat

319

<210> 16636
<211> 422
<212> DNA
<213> Glycine max

<400> 16636

tcttagggca tgccgggttc tacaggcgat tcataaaaga tttctcatag gttgccaac 60
cacttagcaa tttgttgaat aaagatgttg ctattttgtt taatgaagag tgtatggatg 120
catttaatga tttgaaaacc agattagtgt ctgctccagt aattatagca ccaaattggg 180
ggcaagaatt tgagctgatg tgtgatgcaa gtgattatgc cataggtgca gtgcttggac 240
aaaggaaggg aaaaaatttt aatgctatat actacgcaa caaggttcta aatgatgcac 300
aagtgaacta ttctaccaca gaaaaagaaa tgctggtaat tgtttatgca cttgaaaagt 360
tcagatctta tctggtaggc tcaagagtta tcatttacac tgatcacgca gctattaaat 420
at 422

<210> 16637
<211> 441
<212> DNA
<213> Glycine max

<400> 16637

aataactcaag cttgttagat atgcacgata atcttccttg acaactccgt gattaagatt 60
gccgtcaata tgaagagaga acaatttaga gagtgatcga agactttcaa atggatttcc 120
actgaattta ttcatagaga gatcgagata tcttaatgat gaaagtttcc caaatgatct 180
aggaagagca ccaccaattg agttgttgga aaaaagtaac gtgtcaatat ttttaaagtgc 240
cccaatatga tctgtcagat tgcttgaag tcgtgaactc tgaactgcaa gtcttgtgag 300
tccatgggaa atacaaggag cacgaatctc taaaagttca ttaacctgtt gggttgagttt 360
gagatatgat aaatctatca cccttaagtt gcagagatta cccaaagaag ttggaatgtt 420
tccttcaagt tgattatgtg a 441

<210> 16638
<211> 393
<212> DNA

<213> Glycine max

<400> 16638

agcttcttgc agttggacaa cagtgggttag cctctcgaaa tctccaccta agtagtggtt 60
gattctaatag ccattcacag tccatgtcct tttggtggtt gggctcctcca atatcattgc 120
tccatgtggc ataacttttt tgatgaagaa tgggtcaaacc acttgcaatt cagcttactt 180
ggaaacaatg ttaatctaga attaaataac aatacttggt ggccaagctg aaaattcctt 240
tttgacaact ttttgtcatg atagattggt actctttgct tataaagatt ggaattctca 300
taagcttgaa ccctcagttc ctccaattca tggagttgaa gctctctgtg ttcaccattt 360
gcattcgagt cgaagttcac aaattataat gcc 393

<210> 16639

<211> 379

<212> DNA

<213> Glycine max

<400> 16639

agcttttggc aaatgaagaa gaagaagaaa ttcaagagga tgttcaaaga gattcaaagg 60
atgtaacaga ttgtaatcaa tgtattttaa atgcaagtta agttcttgcc tttatagact 120
cttcaagtct ggtcaagaaa accattacaa gagttataac ctttagaaaa cttttggaag 180
agttacatct tttgattttt attcaaaaact tatcattggt aatcgattac caaatcattg 240
taatcgatta tacaagcat ttttgtaaaa cgatgtgact cttcacattt gaatttgaat 300
ttcaacgttc aaacacactg gtaatcgatt accaatatat tgcaatcgat tacaccatta 360
tgaaattgaa tggaacatt 379

<210> 16640

<211> 251

<212> DNA

<213> Glycine max

<400> 16640

tagcttcata gaagtgtatg tggctcgaaa catagcatcg atgcactggt acttgacgtt 60
atatgactta atgatcaact caggattcaa cagatgtgac atggaccatc tctgccgcgc 120
taagatatat actaatagct atgccatcct tgtcgagtat gtggatgaca tgaatattac 180

aggatctcgt atggcacaaa tgcacagggt gaagcaccaa ttggcagaaa actttgatat 240
gatagatctt g 251

<210> 16641
<211> 394
<212> DNA
<213> Glycine max

<400> 16641

tcaagctttt agccaactca aacgataata actttttact cggatgtctg attgagtccc 60
gtaacatatc gagacgctcg aaattgaatg ttgaacctct gagccaattc aaacgacaat 120
aacttttttc acggatgtct gattgagtcc cgtaacatat tgagacgctc gaaattgaat 180
gttgaacctc tgagcaaatt caaacgacaa taacttttta ctggatgtc tgattgagtc 240
cgtaacata tcgagacgct cgaaattgaa tgttgaagct ctgagccaat acaaacgacc 300
ataacttttt actcggatgt ctgattgagt cccgtaacat atcgagacgc tcgaaattga 360
atgttgaagc tctgagccaa tacaaacgac cata 394

<210> 16642
<211> 395
<212> DNA
<213> Glycine max

<400> 16642

agcttgaagg tatactagat gccttggtta acttggtaac ccagctggcc ttgaataaaa 60
aatttgtacc tgctgcaaga gtctgtggtt tatgtcctc tgctgaccac catacagacc 120
tttgcccttc tatgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaaca 180
tttacaatag accttctcat cctcaatagc aaaatcaacc acaacaaaac aattatggcc 240
tctccagcaa cagatacaat cccggatgga ggaatcacc taatctcata tggcttagcc 300
ctcaacaaca acaacaaca cctgtcctt ccttccaaaa tgttgtagc ccaagcagac 360
catacattcc tccaccaatc caacaacagc aacat 395

<210> 16643
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16643

tgtaatcgat taccagagca gattntcaga aaatattctc ttcagtcaca tcttttttatg 60
tggttcttga atggctatca aaggcctaca tatatgtgac ttgagacacg aatttgctaa 120
gagtttttca gaacaaaaag gtcttatacct cttataaagc aaaatcgttt tatectctta 180
caaattcctt ggctaaataa cttgtgattc aataaggaat tatttgagtg ctcaaattgt 240
tcaatctatc tctttcaaga gagatttctt cttttcttct tcttcattct gaaaagggat 300
taagagaccg agggctctctt gttgtgaaag aattctaaac acaaaggaag ggttgtcctt 360
gtgtgttttag aacttgtaaa aggaatttac aagatagtgg aactctcaag cgggttgc 418

<210> 16644
<211> 402
<212> DNA
<213> Glycine max

<400> 16644

agcttgtgaa tttattgtgc ttggtgacta attggtgcag aaaaacaaag taaagctcaa 60
agaaacaaaa ttgaagaact gaagtagctc gctcagcacg tcttaggcgc ttagcgcaac 120
acagtggctt agcgggcaac agaagcttag cgtcaagaag tatggagaag tctggaacat 180
gaaggcttgc ttaacctgca gctcgtttct atgtttggga tgatccccac ttattcaaga 240
ttggagcgga taatctattg agaagatgtg ttaccatgga agaagctaga agtatattat 300
ggcattgtca caattctcct tatggcagat actacagtgg ggataggaca actgctaagg 360
tgctacaagc tgaatttttt ttgccttcta tcttcaagga tg 402

<210> 16645
<211> 420
<212> DNA
<213> Glycine max

<400> 16645

aagctccttc aactgcacaa ggctatcaat ataagaagag tatgcttgtg gaaccttcac 60
ccgacgaaga cactgacaaa aacttatctt ttcctttcct gacaaaatat ggaacgctat 120
gtgcaagtaa ataatcttcc catcaaacct tggatgcaac tgcgatcgta tgcccatatc 180
agctatatct tgatgggtat tgaagccata cttcgtctag cattgaatgt taaggaacgt 240

tccaatcaca ctgtcacaaa cattactgtg cacatgcata acatcaatac aatgttgaac 300
 gtaaatatca caccataacg gaagatcaaa gataatggac ctcttcttac atatgcagct 360
 attactttca tccctctttt gagtctagcc aaatacaata atcacgtgtg gaacccgctc 420

<210> 16646
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 16646

agcttttcac aaacttactc tcttgcttga ccattaacca ccttccttag cttctgccaa 60
 gactctgcaa ttggctcatt aaccatatca ccaccaccag catactctcc ttctcccaac 120
 ctatcttctc ttctcctctg cactatccct aatttacacc accacttacc ccacttgcca 180
 aacctgttca atcccttttg gccatcccca tatgcagcat cacaagcatc atccttagaa 240
 gcagactcca ttacactatc agatagaaca ctattggacg tttgcaaatt cgcacccctc 300
 aaatcattct cagttatcaa tacctttgcc ccatagaaca actcactgga ggcaggggaa 360
 accttagcat tagatatcac tctcaattca tcaacatccc ccatt 405

<210> 16647
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 16647

agcttggtta tttcatcggt gtttaccaag ctgctcaatg gtctggctat cttggagaag 60
 tccttgatga atcttcgata gaaacctgta tgtccaagaa aacttcttat acccttggca 120
 tttactggtg gtggttaact ctcaatgaca tcaatttttg ctttttccac cttaatgcct 180
 caggttgaaa ttttgtggcc caacactatc ccttctcaaa ccatgaagtg acacttctcc 240
 caattcagca ccagatttat ctcaacagat cttcatagca ccggtcttag attcatcaag 300
 caacaatcat aggaaggccc acaaactgag aagtcacca tgaagacttc tatgcacttc 360
 tctaccatgt cagcaaagat ggctagcttg cacctttgga 400

<210> 16648
 <211> 396

<212> DNA
<213> Glycine max

<400> 16648

agctttatct tggctcatta cctgtcatag gcttctttta aaggctcggc tcggcttaca 60
taagagtatg ccttgaccta cgagcctatt taaaagtcta cttaaagacg tattaacca 120
attaattggt ttaaaaccta gtaaaatact aactaagaaa aaaaacttat aaaatttcct 180
gtacaaatcc aaaaataatt gataaacaaa attatattga attcaagtta tttaaacaca 240
aagtatatca aaagaaaatg aaaaaaaaaat gcataatatt aaaaaatata tggattagag 300
atgatttata ctaatatagc caaataaaaa tatttaaatt atttgaaaat gtctttacaa 360
aacattattg tctttgaaag tattaatctc gttgca 396

<210> 16649
<211> 394
<212> DNA
<213> Glycine max

<400> 16649

agctttatct cacctactat tcgggttatg tacgcaaac gatctggctg caatcctcta 60
ttcagcatct catcaaacaa ttccttagcc attggcaagt tcccactt gcaaaatcct 120
ctaacaagaa ttgtaaaagt aaatacatca ggatcaggcc catgtttgat catttcatct 180
tttagccgca tggcaacatc caagtcccc attctgcaaa gaccatcgat aagcgtatta 240
taggtcacia cactgggaac aagaccctg aatcttaact cagcaaataa gagaaaagcc 300
tcccctatgt ttccaatct ggtgtaacca taaatcagag tggtatagca aaccaaacc 360
ggcatcagat tctggttcac cataacatcc agca 394

<210> 16650
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16650

tctgcatgct agcntttatc caatacaaac gaccataact ttttactcgg atgtttgatt 60
gaggctcgta atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatataaa 120

cgacaatgac cttttactcg gatgtttgat tgagtcccg aacatatcga gacactcgaa 180
attgaatggt gaacctctgt gcatattcaa acgacaataa atttttactc agatgtctga 240*
ttgagtcccg taacttatcg agacgctcga aattgaacgt tgaagctctg agccaataca 300
aacgaccata actttttact cggatgtctg attgaggctc gtaatatatc gagacgctcg 360
aaattgaatg ttgaacctc 379

<210> 16651
<211> 410
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16651

tcaacattca attgtgagcg tctcgatata ttacgggact caatcagaca tcagagaaaa 60
aagttattgt cgtttgaatt ggctcagagc ttcaacattc aatttcgagc atctcgatat 120
gttacgggac tcaatcagac atccgagaaa aaagttattg tcgtttgaat tagctcagaa 180
gttcaacatt caatttcgag cgtctcgata tgttacggga ctcaatcata catccgagta 240
aaaagttatt gtcgtttgaa tttgctaaga ggttcaacat tcaatttcga gcgtctcgat 300
atgttacggg gctcaatcag acatccgagt aaaaatttat tgcgtttga atttgctcan 360
agattcaaca ttcaatttcg agcgtctcga tatgttacgg gactcaatca 410

<210> 16652
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16652

tagggctgaa aggtttgttg aaatacgcaa taggggtggc atattgagaa agaactgcac 60
ccattccgac gctggaggcg tccgtctcca ccgtgaatgg gagctgaaaa nttggtaagg 120
tgagtaccgg aactgaagac agagctgcct taaggtgttc aaaagctgat tgtgcttggg 180
gtgttacta aacaggttct tttgtggtga gctttaccaa gggagcagca atggtggcat 240
atccctttat gaaacgccga tagaatccgg caagtcccag gatgccacgc acaacccttg 300
aagattgagg tatgggccat tgaaggatgg cctctacctt cgaggctacc ggttctactc 360

cctttcttgcg gaccatattg cctaaatatt caacctgcaa ctgcgcgaat aagcattttg 420
 ataata 425

<210> 16653
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16653

agcttttcagc aaattcaaac gacaataact tttttcctca gatgtctgat tgagacccgt 60
 aatatatcga gacgatcgaa attgaattct gaagctctga gctaattcaa acgacaataa 120
 tgatttgctc ggatgtctga ttgagtcccg taatacatcg agacgctcga aattgaatgc 180
 tgaagctctc agctaattca aacgacaata actttttact cggatgtctg attgagtccc 240
 gtaaaatata gagacgctca aaattgaatg ttgaagctct cagcaaattc aaacgacaat 300
 aactttnttc ctcagatgtc tgattgagac tcgtaataata tcgagacgat cgaaattgaa 360
 ttctgaagct ctgagctaata tcaaacgaca ataa 394

<210> 16654
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 16654

tcagaattca atttcgagcg tctcaataga ttacgggact ctttcagtct tccgagcaaa 60
 acgttattgt cgtttggatt agttcaaagc ttcagaattc aatttcgatc gtctcgatat 120
 attacgggtc tcaatcagac atctgaggaa aaaagttatt gtcgtttgaa tttgctgaga 180
 gttcaacatt caattttgag cgtctcgatg tattacggga cttaatcaga catccgagtt 240
 aaaagctatt ggtgtttgaa tttgcccaga gtttcaacat tcaatttcga gcgtctcgat 300
 attataccgg actcaatcag acatccgagt aaaaagatat tgtcgtttga atatgctgag 360
 agcttcaaca ttcaatttcg agcgtctcga tgtattacag gactcaatca gacatccgag 420
 caaat 425

<210> 16655
 <211> 423

<212> DNA
<213> Glycine max

<400> 16655

tgaagacaag actatacgag gtatcttcct tgggtatagc tttatctcta ttggctaccg 60
tgtctacaac ttgcaaacta agaaactcgt cattagtcga gatgttgaag ttgatgagta 120
cgcttcttgg aattgggatg aagaaaaagt ggagaagaac gttcttatac ccgctcaact 180
acctcaagaa gaagctgagg aagaaaaccc aggtgaacca ctttcgcctc caccacaaca 240
acaagatcaa gaactatcat caccagagtc tactccaaga cgagtaagat ctttgggtgga 300
catatatgaa acctgcaact tggccatact caaacctgga agctttgaag aagcgtcaaa 360
gcaggaagta tgggttaagg caatggaaga agagatatag atgatcgaga aaaacaacac 420
atg 423

<210> 16656
<211> 390
<212> DNA
<213> Glycine max

<400> 16656

agctttatta gtcttatect tgggccgacc agcatacatg atgaaggga gggcaaacaa 60
gcaaaagtca tacctcatgc atatatttat ctccatccat attcaacaaa tcatggcaca 120
tagcatcata ggtccattca tgaatgacag gtgcaatctg tgggtgcagat tcaatacagt 180
catcaaaatt gagagctata aaaggagaca ttcatattca tagtgaagag acatttttaa 240
cctgatctat ggatctgtca acaatgagca tatcacaagt ttcattatgt ggaaaaccgg 300
gaatggtaga tttatattta gaaaccatgt cccaaacagc attagcaagc ttggtaggaa 360
ctaattcacg aaccgctgct gctgtagact 390

<210> 16657
<211> 403
<212> DNA
<213> Glycine max

<400> 16657

tgtacacata ctaaggtttc tccttatctt caaatctatg tgtatgcttc acatacactt 60
cttcatttat gaatccattc agaaaggaac tattgacatc catctaatag agcttgatgt 120

ctttatgtgt tgcataggct aaaagtatta tgatggcttc aagtcttgct attggtgcaa 180
 aggtttcttt atagtcaatt ccttcctggt gactataccc ttgagtaact agtctagcct 240
 tgttttttac tacttctcct tcttcattaa gcttggtttg gaacacccat ttggttccaa 300
 tcgctaaccg attcttagga gggaaacaag attccaaacc ttgttcttag tgagttgacg 360
 tattttctct tccatagaag tcacccaaga atattcatgc aat 403

<210> 16658
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 16658

agcttctaca ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacatccgag 60
 taaaaagtta ttgtcggttg aatttgctca gagcatcaac attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc aaacatccga gtaaaaagtt attgtcggtt gaatttgcac 180
 agaggggtcaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcggt tgaattggct gagagcttca acattcaatt tcgagcgtct 300
 cgatatatga cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 tgagagcttc aacattcaat ttcgagcgtc tcgatatatg acgg 404

<210> 16659
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16659

ttgagccaat tcagacgaca atatctttnt actcggatgt cttattgagt cccgtcatat 60
 atcgagacgc tcgaaattga atgttgatgc tctgagcaaa ttcaaacgac aataactttt 120
 tacttgatg tctgattgag tctgtcata tatctagatg ctcgaaattg aatgttgatc 180
 atctaagtaa attcaaacga caatatcttt ttactcggat gtctgattga gtcccgatcat 240
 atatcgacac gctcgaaatt gaatgttgaa tctctgagcc aattcaaacg acaataactt 300
 ttactcggg tgtctgattg agtcccgatc catatctaga cgctcgaaat tgaatgttga 360

tgctctgagc aaatttaaac gacaatatct ttttactcag atgtctgatt ggtcccgta 420

a 421

<210> 16660

<211> 367

<212> DNA

<213> Glycine max

<400> 16660

agcttcaaac tcgaaggtgg aggacacatg aacgaaaatt caattcatgg ggctccgaaa 60

aagggttgaga atggagaatt gcacaaagca atcactacgc atagctccaa actcgaaggt 120

ggaggacaca tgaacgaaaa cgcaattcat gggctccgaa aaaggggttga gaatggagaa 180

ttgcactaag caatcactac gcatggctcc acactcgaag gtggaggaca catgaacgaa 240

aacgcaattc atgggggtcc gaaaaagggt gagaatggag aattgcacta agaaatcact 300

acgcatagct tcaaactcga aggtggagga cacatgaacg acaattcatt catggggctc 360

cgaaaaa 367

<210> 16661

<211> 403

<212> DNA

<213> Glycine max

<400> 16661

aattcatttt gctatccgac ttttaaataa taataataat aataacctaa aggggttatat 60

taacattttac atttatataa taaaataatc tggtaggctt taaaatattt tttgaatgac 120

ttaaggggta acatttttaa ctaattatac ttttataaaa tcattaaact aatttatttc 180

ctaaaaaaag tgtggtatga cttgactgga cgtaatctgt gtataaacta ttatttacat 240

tatcaataaa aaattatcct ttatatgatt ttggtggtaa gtaattaaat tacttatcat 300

atattatttg gaatgagatt aaagtataaa aaatggtaca tgcatatatt atttatttaa 360

taattatata tcctattaga attttcattc cttttctata tct 403

<210> 16662

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 16662

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 aatgatgcaa agcagtcaga gatgaagtat acaagctcct caaagtcaac ttcacagag 120
 aattcagctt ttccaccagg ctaccaatg tegtcatggt caaaaaggcc aatggcaa 180
 ggggaatgtg caccgactac accgatctga acaggggtgtg tccaaggat gcataccctc 240
 tgccaacat caacaagcta gtcaatggag tgtttccaag ttctaagctt cctagacgcc 300
 tactatggat acaactagat ccggatgcat gctcaagacg aggagaaaat gacattcatc 360
 attgaagatg ccaactnttg ctacaaggcc atgccttttg ccttaaaatg gaggcgctac 420
 atactagaga tgggtggtca gatctt 446

<210> 16663
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 16663
 aatcaaccac agcagaacaa ttatgacctc tccagcaaca gatacaaccc tggatggagg 60
 aatcacctta acctcagatg gtccaaccct caacaacac aacagcagcc tgcttcttcc 120
 ttccaaaatg ttgttggccc aagcagacca tacattctc caccaatcca acaacaaca 180
 caaccccaga aacaaccaac agttgaggcc cctccacaac ctccctcga agaacttggt 240
 aggcaaatga ctatgcagaa catgcagttt cagcaagaga ccagagcctc cattcagagc 300
 ttaaccaatc agatgggaca aatggctacc caattgaatc aaaaa 346

<210> 16664
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16664

agcttatgct gtaagaagta agatgtgtgc ttgagatgtg tttaaactt atctcaacag 60
 gaaagcttga tgaagttggg atgatatacc agttcgggtgc tggtagatgg aagcttagta 120
 gaggaagcat ggtcattgct caaggtaaga aggaaggctc cttgtacatc atgccaggan 180

agatatgcaa atggaagatg aatgttgctc aagatacaac caaagaatta tgacacaaga 240
gattngtca catgagt¹⁸gag aaaggtttgg agtttctaac anaggatcac tgtccaaaca 300
taaagggcca gccacttgaa tcttgccaag actgtcttgc angtaaaaag tgcaaagtgt 360
ctttccaaag atcggatgag gctagaagga gaaaaaaatc ctagatcttg tccattcaaa 420
tggttgctca atgtctgaaa agtctc 446

<210> 16665
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16665

atcttttata atatgaaatt gtctgtaagt catttgagaa ttnttggttg tacaacatat 60
gcattagttg atttatggac taagttggat gataaatcta tcaaagtgtg atttattggc 120
tatgctactc agtcaaaggc atacagactg tataacccac taactggcaa gataattgtc 180
agtacaaatg ttgtatttga tgaagatgca ggctgggttt gggaggaatg tgaaatcagt 240
caaagtgttc agcagaaaatc agtcaatttt gatggtttag aggaggtctc anatgtgcca 300
cataatgac acactccaag cctccttca atgccatcaa gccagggatc attaactcct 360
tcaagccagg tatcatctag ctcatcaagt gantttgctc caaggagata caaatctttg 420
gcagacttgt a 431

<210> 16666
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16666

tgcttatttt gatgatgcca aagactcaag tcaagaatca agattgaagc aaatttcaag 60
aatcaaaggg tcattcaatc aagaatcaag attcaagaga agactcaaga tatgtaagaa 120
cctcaagaaa aacatcaaga taagtataaa aagaattttt caaagaaaag attgaatgac 180
acaatttgtc caaaataatt tttcaaagaa aaatctttta ccagagtttt tactctctgg 240
taatcgatta ccatacagta atcgattacc agaagtccaa aacaattnta taactgttnt 300

acaaagtagt aatcgattac catgggcatg taaccgatta ccaatgttnt tgaacgttga 360
 atttcanatc tcaagagtca taacttgtga canaataatt tcaaaatagt gtaatcgact 420
 a 421

<210> 16667
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16667

agcttgttgt attggnnttct tcctcttctt ctctggcagt gcaaattgat tggattatgg 60
 aactgttggg gagcaatttg gaagccaagt ccaaaattta caaggaccct gctttgagtt 120
 atattttctt gatgaacaat gggaggtaca ttgttcagaa gacaaagata gtgaattggg 180
 aaccctcttt ggagaagaat ggatcagaan acacgctgca aagttaggca attccatgtg 240
 cactatcana gaagctcgtg gaataagcta ttannggatt ctgaagtgga tagtaatggg 300
 tcaatgcccc atattaactt tgcaaagtca atgaaagaga aaactcagtc gttaacaca 359

<210> 16668
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16668

ttctttttct gttggctgan nattatcatg cagacttttc tgatgatgac cgatgaacaa 60
 ttatggatca acttgaaact tatgtgcttc gagtgagaag aaatgcttct tttccactt 120
 gtgaagatgt tcaaagtgtg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240
 aaagagcctt ttcagcaatg aagatgatca agtctagatt gcgcaataag atcaacgat 299

<210> 16669
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16669

gtgcctcttc atgtctggaa tatgaatgta gcatatagat tcaaagactc ttagatgctt 60
 tgctgatggc ttcttcccg tccaagcttc aattggaatc ttgtctctta cagacttaat 120
 tggacatatg ttgagtatgt aaacagcagt gtagacttgt tcaatccaaa atgtgttaag 180
 gagtcccttc tcttgaaca tcgatctaac tatttccata actgtgcgat tctttctctc 240
 ggacactcca ttntgggtgag gagaatatgc gactataagt tgtcgcctta tgccttcac 300
 ctcacaaaat atttcaaact cgcgagaggt gtactctttg ccgcgatcac ttcttagtac 360
 ttttatctaa tttccacttt gattttca 388

<210> 16670
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 16670

tttcttttag aagaagatac acacatgttt tgccatgcc aatcagcaa ccttgatcat 60
 accattacga tctactagca tgcttgagcc ctttataatc ctgtaggatt ggacacatta 120
 gtgtcagata cttggaacta gaaataataa tgtatattat catttgttac atattaacac 180
 ctgtgcacgc gatctcttgc atgcatgtag gctatagcat gaagaatctg tctgggtgta 240
 catttcgcaa gagatgtctt gaaagggcca tatacctgat gcaaattgcg aa 292

<210> 16671
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 16671

agcttgatat ctacatttgt gtgaaaagtt atgagcattt gaatttctca agagcttcca 60
 ttgttcaatt tccagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120
 ttatgaccat ttgaatatct gaagagggtc cgttgttcaa tttcgagcct ctcgacatat 180
 tatacgctcg aatcgaacat ccgtgtgaaa agttatgacc atctgaatct gcaagagttt 240
 ccgatggtta atttcgagcg tatcgatata ttataagcct gaaacggaca ttcgtataaa 300
 aagttatgac catttgaatt tctcaagagc ttccggtgat caatttcgag cctctctaca 360
 tattatgcgc ccgaatctga cat 383

<210> 16672
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16672

tatgagagat cccagtttgg tggagagata agtccttgnt ttgctgattt aaagcatttg 60
 aattacttgg acttgagcgc caatgaatac cttggagaag gtatgtcaat tccttctttc 120
 cttgggacaa tgacttcctt gactcacctt aacctttttc atactggatt ctgggggaag 180
 aatcctcttc aaaatgggaa tctctcaaata ttggtgtatc ttgacctgag ttcaaagtgt 240
 gccaacggaa caataccctc tcagatcggg aatctctcta agcttcgata tcttgacttg 300
 agcgccaata tatttcttgg agaaggcatg tcaattcctt cttttctcgg gacaatgact 360
 tccttgactc acctcgacct ctctgggtact ggattcatgg ggaagattcc atctcagatt 420
 tggaatctc 429

<210> 16673
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16673

tcttcttctg tcactttttt aatgaagga ccagaaaaca tgccacccca ttgtggaaaa 60
 gagattaaac atattggcag ggtgcatatt atgatcatgg ctcccattag agtgattcct 120
 ctttcttttg aaaacttggg tcctttgaag aaaattaact gggtcacaac tgcaccaca 180
 ttgcctcttc ctctgtcat tccagatatg acccctaata acctgaanat atatgtgtat 240
 gctaattgat natngtagaa ttaatcacia aagaattatt ggcatagaag ctatgcactn 300
 tgttatatat ct 312

<210> 16674
 <211> 310
 <212> DNA
 <213> Glycine max
 <400> 16674

ccaaagtcct attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa 60
 ataacaattt aatgccaac ttgctccaca aagtcctcca aaaatggctt aggaacttaa 120
 agtccctatc actaacaatg ctccctggca aaccatggag tctcacaatc tccttgaaaa 180
 acaaatcagc cacatgggaa gcatcatcaa cttttttaca tggataaaaa tgagccattt 240
 tagaaaacct atcaacaacc acaaaaatgg aatctctacc attgcttgtt tttggcagcc 300
 caaaacaaaa 310

<210> 16675
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 16675
 tatgctgcaa atatttaca tagacctcct caacctcatc ttttaaattt atcacagcag 60
 agcaattatg acctctccag caacagatac aatcctggat ggaggaatca ccctaacctc 120
 agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgctgct 180
 ggccaagca gaccatacat tcctccacca atccagcaac agcaacaacc ccagaaacag 240
 ccaacagttg aggccctcc acaaccttcc ctgaagaac ttgtgaggca aatgactatg 300
 cagaacatgc agtttcagca agagaccaga gctccattc agagcttaac caatcagatg 360
 ggacaattgg ctaccaatt gaatcaacaa cagtcccaga attctgacaa gctgccttct 420
 caagct 426

<210> 16676
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 16676
 tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa 60
 gctcacctcc ttgagatgag aagctagaac ttaactacac accctttata atagctaagc 120
 tcacccccat gacaaaagaa aacatgaaaa tacaaaaaaa agtccttact acaaagacta 180
 ctcaaaatgc cccgaaatac aaggctaaaa cctatacta ctagaatggc caaaatacaa 240
 ggcccaaagc aaggaaaaac ctattctaatt atttacaag ataagcgggc tcatacttag 300

cccatgggct cgaaatctac cctaaggctc atgagaaccc tagggcctac ccttggatct 360
 ttagcccaat ctacttggag ttttctaccc aatgcccttg cgggatagga tggcatcaca 420
 aagcatcaaa attcaat 437

<210> 16677
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16677

tcattggaatt ntatgcatg acatgggact tggaaagaca cttcaagcat cagctattgt 60
 ggcctctgat atagctgagc atcgaacttc aattgggaat gaggatcttc tgccatcttt 120
 aattatttgc ccatcaactc tagttgggca ctgggccttt gagatagaaa agtatattga 180
 tgtttctgtt atctctagtc ttcaatatgt tggttctgct caagagcgaa tgcttcttcg 240
 ggatcatttt tgcaagcata atgtcatcat aacgtcatat gacgttgtcc gtaaagatat 300
 tgattttcta tgacagctgt tgtggaatca ctgcatctta gatgaagggc atataatcaa 360
 gaatgccaag tctaaagtta cacttgcttg taaacagttg aaagcccaac accgcttgat 420
 attgagtggg acacctata 439

<210> 16678
 <211> 213
 <212> DNA
 <213> Glycine max
 <400> 16678

gtggatgaat catcccaacc ttacatgggc gatatcttca caactagtag caacaacaac 60
 cttattttca aaatgttgct ggcccaagta taccatacgt ttcctcacca atgtagctgc 120
 aacaacagca acagccctaa aaacagtaaa cagtcgaggc ttctccgcaa ccttcccttg 180
 agaactttga ggcaaatgat atgcaaaaaca tgc 213

<210> 16679
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16679

gctt gatgca acattnggag agattaatga aacaacgata tgattcgctc catgatttgt 60
 tggatcaa at ggagaataga gatcataatg aagaagaaag gaggaggaga gggaatgatg 120
 gtgttcttag aaaaaaccga attgatggta ttaaactcaa cattcctccc tttaaaggaa 180
 agaatgatcc agaggcctac ttggagtggg agatgaaaat aaaccatgtt ttctcatgca 240
 acaactatga ggaggaccaa aagggtgaagc tcgccgccac ggagttttcc gactatgctc 300
 ttgtgtgggtg gaacaagtta cataatgaga gagcaagaaa tgaagagcca atggttgata 360
 catgtgcaga gatgataagg atcatgatga agcgggtatgt gccggctagt tacttaaggg 420
 atttgaaatt caagct 436

<210> 16680
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 16680
 ggacactttt agcacttctt tacatgaata caataatcat tcttcatcac gagcaaaaaa 60
 tatccagccc ttaaaatctt tcaggccatg gcatgcccat tggcataggg gccaaaggaa 120
 ccttcatgca ccttcttag tatttgtca acttcaactta catccacgca ccggagtaac 180
 accatatacat ggtttctttt gtatagcacg tccccattca aaaaaaagtt aactgccaac 240
 ctccgtagtg tcttcttgct attctcaaag gctcatata ggtactcctt atctttgata 300
 tatctcttga ta 312

<210> 16681
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16681

tcatgtcttn ttgaacttcc ttatcttcta acctgcaa ataatgcaagt cagtaacaat 60
 tgatcccacc aaatcaa atg gtcaaaaatc aacaacttga gcaagtctta ctttcttccg 120
 ataagtctct tgacatcaaa gatggtcctt tctgggttga cagctgcctg attcttggca 180

gccttcccaa tgagtctctc actgtcgggtg aaagcaaccc acgatggggt gatacgggta 240
 ccttggtcgt tggctatgat ttcaacatgg ccattcttgt aaacaccgac acatgaatag 300
 gttgttccaa gatcaatgcc gatgaccgtc cctaacttgg tggcttcctt cttagcaatg 360
 gaaatcgcaa atagacatcc tatggagaaa tttctcaatg ttagttacat agttaaattt 420
 ttacaacact t 431

<210> 16682
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 16682

gacacttcga aactcaagct tctatagaag tccattccta attgtctaca atagcatttt 60
 ctctcaatga tctggagaca aagaacgtgg cattgacctg tggtgaaaaa caataagcag 120
 cctttgcttt gctcaaagaa aagcttacta aggcacctat tctagctttt gctgactttt 180
 ctaaaacctt tgagctagaa tgtgatgcct ctggagtggg agttggagct gtattggtac 240
 aaggtggaca ccctattgct tatgttagag aaaaacttta tagtgccacc ctacactacc 300
 ccacctatga taaagagctt tatgccttaa taagagctct acaaacttgg gaacatttac 360
 cttgttccaa ggaatttgct attcataatg atcatcaatc acttagtaca 410

<210> 16683
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16683

ggatctttta ggtttttatc tttaatcttt tatccctgaa cgaactattc aaagttgtaa 60
 ttcgaacttt aattatcttt taattcgctc cttaaagatag atcgccaaat ctgttgctaa 120
 ctgcacatta atctgttaaa gatataacag atttatgtgt ccagtatttt cgggcaagat 180
 gttctggaca tcgtatccga catcgtggat cctgcagctt caattcttca ttngacattt 240
 tatcttgctt tgtgcattgt gcagcccaat ctgattcctt gacataaccg tggacatcat 300
 gtgcagcaac tccagcttct cttcattggc taagtgccta tgttttaaca aaattta 357

<210> 16684
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16684

ttatcactgg cattgcactt cctgttgggt cgcacaaact ttattctggc atcactgatg 60
 ggacagtttag gatatgggac tgccatactg gtcaatgtgc taaagtcac aatcttgggtg 120
 ctgaaggtag ctctttgatc agtgaggggt catggatttt tgttgggtctg caaaatgctg 180
 tcaaggtaag ctcttatctg gcattgggtt ggtttgatgt atgataatgt ctaatcataa 240
 gagtagtaca tgcaaactga ttatgtggct gtggttgggtg tgaaagcttg gaatatccag 300
 accatgtcag aagttactct cgatggaccc aaaggccgaa tccctgccat gacttgtggc 360
 aacaatacac tctnttctgg cgcagaggta actaaccatg ttattaatat tgcgcaatga 420
 tattccccta accg 434

<210> 16685
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 16685

agcttgttgg ttacagtac aacaattggg ctggagatga agatgattgg aaaagtagca 60
 gtggatttgt gtttttcata ggaaacacaa cttcacttg gatgtcaaaa aagtagccga 120
 tattcactct ttgactcgt gaggcagaat acgtagcagc tacttcatgt gtttgtcatg 180
 caatctagca taagaattta ttaaaagagt tgggcatgtc acaagaagag ttgaccaaga 240
 tctttgtgga taataagtta gtcattgctc tagcaaggaa tccagtgttc tatgatcgaa 300
 gcaagcatat tgataccct taccactaca taagggagtg catagcaaga aaggatgtac 360
 atgcagaata tgtgaagtct caagaccaag aagctgacat cttaccaag ctgctcaagc 420
 a 421

<210> 16686
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16686

ttgacagaaa tccgacatcg taacattgta aagttacatg gtttttggtc acattttcaa 60
 tactcatttt tgggtgtgtga gtttctggag atgggacgacg tcaagaagat tttgaaggat 120
 gatgaacaag caattgcggtt tgattggaat aaaaggggtgg atgttggtta aggtgtaaca 180
 aatgctttat gctatatgca tcatgattgc tcacctccaa tcgttcacatg tgatatatca 240
 agcaagaatg ttcttttggga ttccgattat gtagctcatg tctcagactt cggaacagcc 300
 aagttttctta atccagattc atccaattgg acctcctttg caggaacctt tggatatgct 360
 gctccagggtt aatttccttt ctctatacta tttgagtaaa tcatgatatt ntagtttgct 420
 ttcgttagcc atttacaaat atatat 446

<210> 16687
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16687

tctaagaata gccttgataa ctntaacata atccattgat tcttccccaa aaaatatagt 60
 gtcacagca aattgaagga tattcactgc aaccttggtc ttccccacca taaagttgtg 120
 gaagcagtgt ttggatattg ctcccttcat cattcctgtc aaacgttcaa caaccaagtc 180
 aaacaataaa ggggccaag gatccccctg tctcaaacct ctttgaggct taaattcagt 240
 agttgggctt tcattaacta cgatagatat agaggctgat gtgaggcacc ccttgacca 300
 actaatccac ctgtcatgaa accccattct tctcatcata taaaaaagga atttccaaga 360
 cacatagtca tangctnttt cgaaatccac tttaaacc accaagacc tctttgacct 420
 cctaagcccc tcaacaacct cat 443

<210> 16688
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16688

tgcatcaata aagaggtctt attggttcaa atntatgttg atgatataat ctttgatct 60

actaatgaat ctttgtgcaa ggagttttct attgacatgc caaatgagtt tgagatgtcc 120
atgatgggtg agttaaaacta ctttcttata ttacaaatca aaccaacaaa tgatgggatc 180
tttgtcaacc cagcaaaaata ttacaaggaa ctcatcatga aattcggaat gaagaactca 240
aaacacttgg ctactcctat gagcactggg tgctaccttt gacaagatga atccgggtcaa 300
ttcgttgatg aaaagcaata tagagggtatg attggatctc tactttactt atatg 355

<210> 16689
<211> 344
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16689

tgagaatgga gaattgtact aagcaatcac ttcgcatagc tccaaactcg aaggtggagg 60
acacatgaac gaaaacacaa ttcattggggc ttcgaaaaag gggttgagaa tggagaatta 120
cactaagcaa tcactacgca tagctccaaa ctcgaaagggtg gaggacacat gaacgataac 180
gcaattcatg gggctccgaa aagattgaga atggaaaatt gcactacgca atcactacgc 240
atagcttcaa acgcgaatgt ggaagacaca tgaatgaaaa cccaattcat ggggctccca 300
anagattgag aatggagaat tgcactaagc aatcactacg cata 344

<210> 16690
<211> 437
<212> DNA
<213> Glycine max
<400> 16690

agctttttact atcctattca aatgttaaca tgactgttac cctaaaataa aatcaccaaa 60
caaaagattg ccaaaagtat ctcccaccaa ccccggaagat caaatctcat actccctccg 120
tttcaaaata catgtccatt tttgaaaaat tgcggtaacc aaggacaggc taatttgaca 180
caaaagttcc tattttaccc ttgtccttta ttttctccat tttatattta tttatcccac 240
ctcataatta ctccaatac caaaattaat taaagttaat caaattacaa taccaataca 300
tactggcaat accaatacta ctaaattggc ttatgtttgc ttcggtattg aaaagctcaa 360
tgggcatagt tcggttatca aaagttttta aaactcaatt gaaaaaactt ccctccatta 420

ttacatatatc tctaatac

437

<210> 16691
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16691

ntaaacctct caaaaaggga aagactttta tagaagatgt atctccaatt tcttagaggt 60
gagttcaaat cttacatat aaaagagtca gaatccattt tccattattt tttaagattt 120
cttggttggtt cacatcaaat aaaaagaaat ggtgagaagt tagaagatgt tagaattatg 180
gagaaagata ctacgcccgt tagatcccaa atttgagcat attattgtga caatcaagga 240
aaccctagat ttaaaaacca tgatgataga acaacttcaa ggatcattgc aagcttatga 300
agagaagcat aagaagaagc aacagatcac taagccactc ttcaagatgc aactgatgga 360
gaaggaagaa agtcaacgaa atga 384

<210> 16692
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16692

agctattgnn tttaattnct agagncnnga natatnacgg gacttattcg aacattcgag 60
ttaaaagtta ttggcgncgt catttgctca gagctttcgt tttcaatgac gagtgtctcg 120
atatgttacg ggagtgatcc gagttaaag ttattgtcgt ttgaattttc tacgagcttt 180
tgttttcaat tttaagtgtc ttgatataatt acgggactca atcggacatc cgagttaaaa 240
tttattgtcg tttgcatttg ctcagagctt atatactcaa tttcaagcgt ctcgatatat 300
taagggattc aatcgaaaat ccaagttcat agttattgtc gtttgaatat gctacgagct 360
ttcgttttan attatgagcg tctcgatata ttacgggact caat 404

<210> 16693
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16693

ctattcggac ctatgatact cagcttgtag gtagttctct tgattgacct atttgatatt 60
tcatttactt gntatttcac attttggttag gtttaaatat taataatggg acagtgtgtc 120
cgtcaaattt aagaatgaaa ttggttatto aatatagaaa aaaaaagcat gggataatga 180
aggtaatggg acatgaaatt tttcataact catttcattt tatccatttt catacaagat 240
taaatttgaa ctattaaatt aagtttagcaa tataaactta tcttattaag tcataaaaata 300
tatatatcaa aataagaaaa aagataagac tttacttact tttcagttaa attaaaaattt 360
gaattaataa gaattttttt cttctaataga attgaaggat taaaataaat aaaaataata 420
attatctata ttggtatctt gaacacgcgt acccttatat aatgtgtcta 470

<210> 16694
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16694

ntggagtaaa aggcttacta aagaaggcaa taggggtggcc tttctgcat aagactgcac 60
ccatgtcgac accaaacacg tttgtttcca aggaaaaagg gataatgaag tccggcaaga 120
gtaaagtagg ggctatagaa agcacatcct tcaatccagt gaaaacttgt tgcgccttag 180
atgaccactc aaaggggtac ttcataagta acctgggtta ataagctgca atggaggcat 240
agccacgaat aaatcgggtga tagaaacccg agaggcccaa aaaactgtgc aaggccttgg 300
aggaatgagg tgtgggtcac tgctaaatgg ctnggacctt agccgacact ggttcaactc 360
cttgtgcaaa aaccaggtga cccaagaact caacttggtg ctgggcaaag gtgcacttgg 420
atagt 425

<210> 16695
<211> 368
<212> DNA
<213> Glycine max

<400> 16695

tgtaatcgat tacacacata ctgtaatcga ttaccagatg tttttttcag aaaacattct 60

caacagtcac atctttttat ctgattctta agtggccatc aaaggcttat atatatgtga 120
 ctagagacac gaattgaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180
 caaaattggt ttatctctctt acaaattcct tggccaaaac actcgtgatt caataaggaa 240
 ttattttgagt gctcaaattg ttcaatctat ctctttctag agagatttct tcttctcttc 300
 ttctttattc tgaaaaggga ttaagagacc gagggctctt tgttggtgaa ggattctaaa 360
 cacaaatg 368

<210> 16696
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16696

tagcttcttc aaagacttgn ggtccaacat aggcattcatt tcaagcctaa tcaacgaggt 60
 aacaccccct tgggtggtcc taacaattgg tgggggtctc aatttttttg ggtatttcat 120
 aatttggcct gcagtggcca gaaaaattgc taagcccca gtttggaaca tgtgcttgta 180
 catcttcatt ggagccaatt ctactgttc caccaacact ggagtcattg tcaccagtgt 240
 aaagaacttc cctggcacia ggagcattgt aattggcctc ttgagtgggt atcttggcct 300
 gagtgcagct atcatcactc agatatacta tgccttctat ggaaatgatt ccaagnttct 360
 aattntgctc atggcat 377

<210> 16697
 <211> 349
 <212> DNA
 <213> Glycine max
 <400> 16697

acctacgac tttaatggag agggttacca ctactggaat acccgatgc aaatctttat 60
 cgaggcaata gatctaaata tctgggaagc cattgaaata cggccttata taccaccac 120
 agtataaaga gtttcaatag atggtagttc atcaagtga agcataacca tagataaacc 180
 tagagataga tgggtctgaac aggatagaat acgagtacaa tacaacctaa aagcctaaaa 240
 cataataaca tctgccttaa gaatggatga atatttcaga gtttcagatt gtaagagtgc 300
 taaagaaatg tgggacactc ttcgattaac acatcatagg aactacaga 349

<210> 16698
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16698

agcttgtctc tgtggaagaa ctatggtgat ggtgttcaaa ggcaaggtag gacaggacgc 60
 aattttcctg ctgcaaggtc accaacgcca gtgacatctg agaagcttgg aaatataggg 120
 actgtaaagc agcttaaaag ttcaagactg ggacttgaga agagtgaaag gttaaaatac 180
 ttgtattgct taagtttgac natttgttta ggctcacata tgnnagctaa tgttggtgat 240
 tccatgtagc agggcaggtc gtccaccaac caggaaactt tctgatcgta aagcatatgc 300
 acgccagaaa cattcagcaa ttagtgcac agcagatttt cttggtacta atttctgctt 360
 ctagaaaaga gtaatgatct caagttctca tgtgtataat aca 403

<210> 16699
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16699

tanagataaa ttaagaataa taatagaata ttccatctta tattctgatt atatattcta 60
 tcaaatacaa attgattagt tagactaaga ataccgatag actatcttat cattgataat 120
 atattctatc aaatacaaac tgattagtta ggctaacaac actgatagaa tatcttatca 180
 tatattctat cagttattac ttattagatt gtacatatta attcttttat ttaaaaatat 240
 cattgtcaaa gtaggataaa tatttaatta tatacaattn gttttattaa ttattaataa 300
 ccttctactt tctcctaata atttatactt aacagatgag tatttntctc attataacta 360
 tgtactatcc aatgtcttat tagattttta ataacatatt atccatttaa tttacagatg 420
 actgtaattt gatcaatcat tagtatatat atttatacta tcgaccgatt aagttaaag 479

<210> 16700
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 16700

ntaaggaagc aatgcattac cccacatgga tcaatgcaat gcgattatct gctgaattct 60
attgagaaga attcaacatg ggaacttggt aatctgcctc ttgacaagaa acccatagca 120
ctgaagtggg tttataaagt gaaggtgaaa tccaaatgag gccagacttg tggcaaaagg 180
gttcttatga aaacctggag ttgactatgg tgaggtctat gcacctgtgg caagaataga 240
aacagtgaga ttggtggtag caattgcaaa tatataaggt tggctctatgc ataaactaca 300
tgtgaagtct gctttcttaa atggacagct agatgaggaa gtttatgtgg accagccact 360
tcttgagaca ttgggacaag atgaaaagggt atacagattg aaaaaggaat atatggtctt 420
aataagctcc atggccttga aca 443

<210> 16701
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16701

tctgtgagag cacttccttg agaagctaga gcttagctac acacaccctt ttcatatcta 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagttac 120
acaaacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
caccgcctat aatagctaag ctcaccccca tgacaaaata catgaaaata caaaaaatat 240
ccctactaca atgctactca taatgcctcg aaatacaagg ctaaaaccct atactactag 300
aatggcctaa atacaaggcc ccaatgaagg anaaacctat tctaataattt acaaagataa 360
gcaggetcat acttagccca tgggctcgaa atctacccta aggctcatga gaaccctacg 420
ggccttcctt ggatctctgg cccaatctac ttggactctt ctatc 465

<210> 16702
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16702

atgtactgcc ttangcgatg ggatgcccac actaaagcac aacacgttct ttcgagcaag 60
gagtaattca tctcacaggt cgtgaacttc ttacttaggt agtaaacagc gcgctctttc 120
ttccccgatt cgtcatgttg ccccagcata caccctattg actcgtccaa gattgtcatg 180
tacaaaatga gaggccttcc aggtactggg gccataagca cgggaggatt cattangcac 240
tctttgatcc ttccaaaaag cctcttgcaa tcttcattcc accagtcagt ttgggtttta 300
cgcaagaagt tatacaacgg ctcacaaatg gcggtgagct gcgatatgaa tctggccata 360
taattcaa 368

<210> 16703
<211> 373
<212> DNA
<213> Glycine max

<400> 16703
agcttttgcc ttttcatgtc tggaatatga atgttgcata tagatccaaa gaaccttagg 60
tgctttgctg atggcttatt cccgttccaa gtttcaatag gtgtcttgct ttttacagac 120
ttagttggac atctgttgag tatgtaaaca gcacagtaga ctgcttcagc ccacaatgtg 180
ttatgtactc ttttctcctt gagcatcgat ctaaccatat ccataattgc gcaattcttt 240
ctctctgaca cttcattctc gtgaagagaa tatttgacta taaggttggc gctcaatgcc 300
ttcatctca caaaatcttt catactcgcg agaggtgtac tctttgccgg gatcacttca 360
ttaaactttt atc 373

<210> 16704
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16704

tcaagaaaaa gatggcctca gcaaattcct tatttccaga tagtttctct atcaatagac 60
ctccaatctt taatggagag gggtaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatctc tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaag caaaccata gaaaaaccta 240
tagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300

taataacatc tgccttagga atggatgaat atttcagggg ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatggt aaaagatcta 420
 ngataaatgc actaactcat gagtatgata tatntagaat gaatgcaaata gaaaata 477

<210> 16705
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16705

tgatattnta ttgtttcaat caaagtcata aagttcatga tgaattgtat caaatagaga 60
 aagaagtaaa agctggcaaa gaaagcaaca attgatcaaa tggattgaat gaatctcatt 120
 gaaagaaatg aatgatgaat acatgtgttt catattatat acaatcaact ttgggcacca 180
 atctaactac tagaaaatac aactaactat aactgcttct aactgtcaaa acagaaaaca 240
 gttagtgcac aactaattct atatgttgag agccctccca atatgaggaa tgtatgttag 300
 acatttccaa cttgagctgc aaaagacaaa aagcaatagg agagaaagct ttggtgaata 360
 tgtcggcaag ttgataggct aaagatatag atagaagatt gatcaagcct gaaagcaatc 420
 tottgcacac aatgttggaa gttaattttg atgtgctttg tgcgctcatg aaacacaggg 480
 ttgac 485

<210> 16706
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 16706

agctagagtt tttctttata tatgacatgc atgatgcctt ttcccactgt atccacttaa 60
 atttecatat gctagaaaat cattaatagt acaaaacacc attgtgctga acctgaatgt 120
 ctactgcaca ttgcatccc acacatctac cccttcttcc cacaattggt tcaagtcttc 180
 gattaatggc gtaagataca catcaatatc attccctggc tgccttgac cgcgatcat 240
 catacacagg ataatgtatt tacgcaaaat gcacaaccat gggggaaggt tgtaaatcat 300
 cagtaaaaca ggccaggaac tgtggttgct gcttaagcta ccaataaggat tcattccatc 360

agaagcaaga gcaagcctta

380

<210> 16707

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16707

agctngccgt tatggtgtgt ttcgactatg ctctcgggtg gcggaacaag ctacaaaagg 60

agagagcaag aaatgaatag ccaatgggtg atacatgggc ggagatgaaa aggatcatga 120

ggaagcggca tgtgccggct agctactcaa gggatttgaa attcaagctc taataactaa 180

cccaaggcaa catgggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

cgaagattga agaagatgag gaggtaacta tggctcgatt tcttaatggg tcgactaatg 300

atattcgtga tatcgttgag ctgcatgagt gcgttgagat ggatgatctg cttcaciaac 360

cactccatgt agagcaacaa t 381

<210> 16708

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16708

ggtgcatcca ataccctgat gaggatgtcc catatgttct taaatctgta ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaagaatttc 120

acattgtctg ctccaccatg aaacccccag atgtccaaga ggatcacata tttttgaagg 180

cttttccctca ttcattatag ggagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgngatgac cttagatag tattcttaga aaaaaatttc cctgcttcca 300

ggaccacaac catcaagaag gatattctcat gtattagaca actcagtgga gagagcctgt 360

atgagtactg ggagagatat aagaaactat gtg 393

<210> 16709

<211> 365

<212> DNA

<213> Glycine max

<400> 16709

agctttatct ttcaatttcg agcgtctcgt tatattacgg gactcaatca gacatccaag 60
taaaaagtta tcatcgtttg aattggctca gagcttcaac attcaatttc gaacgactcg 120
atatatgatg ggactcaatc agacatccga gtaaaaaagt attgtccttt gaaatggctc 180
agagattcca cattcaattt cgagcgtctc aatatattac cggactcaat cagacatccg 240
aaaaaaaaat tattttcggt tgcatttgct caaagggtca acattcaatt tcgagcgtct 300
tgatatatta cgggactcta tcagacttcc gagtcaaaag ttattgtcgt ttggatatgc 360
ttcaa 365

<210> 16710

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16710

ctgagacaat tcatacgaca ataactgtnt actcggatct ctaatttagt tccgtaacat 60
atcgagatgc tcgaaattga atgtggaatc tctgagccaa ttcaaacgac aataagttnt 120
tactcggatg tctgattgag tcccgttaaca tatcgagacg ctcgaaagtg aatgttgaag 180
ctctcagcca attcaaacga caataacttt ttactcggat atctgattga ttaccgttat 240
ataacgagac gctcgaaatt gaatgttcaa cctctgagca aattcaaacg acaataactt 300
ctttctcgga tgtttgattg agtcctgtaa tatatcgaga cgctcgaaat taatgtttaa 360
gctctatcca attcaacgac ataactttta ctctatgtct gttgagtcca taatatacga 420
gacctcgaca tgaatctgaa ctctattcat tcaa 454

<210> 16711

<211> 373

<212> DNA

<213> Glycine max

<400> 16711

agcttgtatt ttcttttatt atggaattga tccttccctaa gatggagcca aaccactca 60
ccctcattaa gaactagctc tttcttccct ctatcgccct taggtgaata cacctttgtt 120
tggttctcta tttggctctt aaccctttca tgctactttt atacaaactc tgacataaat 180

tcccccttctt tatggataaa agaagtgtcc actgggaggg gaatgaggtc aaactgtggt 240
 aggggattga acccatagac aacctccaaa ggggactggg tgggggttct ttgaaccccc 300
 ctgctgtatg caaattctac atgaggaata tactcatccc aagacttatg gtttcctttc 360
 acaaaaaccc tta 373

<210> 16712
 <211> 458
 <212> DNA
 <213> Glycine max
 <400> 16712

tcttcttttg ctgttgctat ctgattgtcc atgtcagcca gtttttcagt tggttcaatg 60
 tttcctgaat caatcaaggc cataatcttc tcccgggcag catctggatc tacttctata 120
 tgagcacaga caaatatctc ttcgagctct gcttgcttct tgaaagcaat ttccttcatc 180
 ctgctggctt tcagctgac aagtctctca acttccaett cagcctttat tattaaagga 240
 aaaaaacagt taatatcata cttggaactc gaatctgtaa acttcataag ttcttttagta 300
 cctacctgct caatcagatc cagagcaagg gcaccaggaa cagtgacttc atcaacagaa 360
 gctgacatat tacaggtaac atgggtcaaat agtctccttt cctcgggatg agtatccatt 420
 agattccaaa gatcaattaa ctgagaagct aattcttg 458

<210> 16713
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16713

tctttaaagc anaagataaa tagcaataaa taaaagaagt ctaagggaag agaggtatgc 60
 aaacttgatt tatactgggt cggccacttc tcgtgectac atccagtcct caagcaaccc 120
 acttgagatt ttccattctc tttgtaaaac tctttttaca aagtctgaac cacacaggga 180
 caaccctttc cttgtgttca ggaatcctct ataacaagag acccacggtc tcttaatccc 240
 ttttcagaaa aaagaagaag agaagaagaa atctctctta aaagagatag attgtacaat 300
 gaagatcaat caaaattcct tattgcatat gcaagtgggt gaccaaggaa tctttntgag 360

aagataagac agttcagttc agaaaaactc ttaatctttg aaaggataaa acttttttggg 420
 caatgaaaac tcccttttgaa tttgtgtttc caagtcacct ttga 464

<210> 16714
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 16714

gttgccctaaa agttactatc aagcgaagaa gatactatgt ccaatgggta tggagtatca 60
 aaaaattcat gcttgcccga atgattgcat attgaacaga catgaattag aagatatgtc 120
 aaaatgcctt acgtgtggga tatcacgctg caaagtcaag gatgatgagg agtgtattag 180
 tgatgaatac tcaacgaagg gcccccttag caaaggatgat gtggatatctg tcgaacgttc 240
 caaggtttta gcgtctttat gctaaaggat acgacgctaa agatcttaca tggcatgcat 300
 atgacagaaa ctgcatgga a 321

<210> 16715
 <211> 237
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16715

cgctgatact gtcattccagg gattactaaa atatgggcct atnataaatt gntccaagga 60
 gggttatgttt ctacgagagc tggaggaaat cttanaagta actcaacctg cagagttgca 120
 acgttgatatg gtaccattgt tccaccaaatt aagtcgttgt ttgagcagtt cacatttaca 180
 gggtttgataa ctattactag tcttcagtag ttactactgt ctctcgtgat catatat 237

<210> 16716
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16716

ctttanatta tatatataat atactttgtg ttaaaagtat ttagttattc taacttgaca 60
 ttatagttta atatataaag tattttatat agcgtgtact gtaacgatac tttaacacct 120

aaatatatgc atgatagtat tcaccattta acacaacaaa taattgatat aagattaatt 180
 tgatgaaaaa aaaaagaaaa agagattata cattcacatt tttgtgctaa caaaaagaag 240
 ctaacaaaga caataaatta ataactgata ttttttaatt aaaaaaacac tcaacaaaca 300
 aattaatagc taatatTTTT aatfaaaaaa acactcaaca aatagtaact gatatttttc 360
 aattaaaaaa acactcaaca tatagtaact gatatttttc aattaaaaaa acacttcaca 420
 aatagtgcta gtagtgcatt ctagatgata gaaggaaaaa gtggaaaaaa tgaaaaataa 480
 ttagcaca 488

<210> 16717
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16717

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 catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120
 tttcacattg tctgctccac catgaaaccc ctagatgtcc aagaggatca catatttctg 180
 aaggcttttc ctcattcatt agagggagtg gcaaaagact ggctgtatta ccttgctcca 240
 aagtccatca cgagctggga tgaccttaag agagtattct tggaaaanaa tttccctgct 300
 tccaagaaca cagccattag gaaggatatt tcaggtatta gacaactcaa tggagagagc 360
 ctgtatgagt actgggagag atttaagaaa ctatgt 396

<210> 16718
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16718

agctcgnacc cgggatctct aagtcacctg cagcatgcta gctttcttat ctcgcctatg 60
 ctagntacca catgattcga gcagttatca atatataatt gcttatttaa aaaaatactc 120
 cattttttta taagatattg cctctcataa aaaattgggc gaattaatct cttaacatag 180
 ccaaccagca tgagatcatg ctctcagaca aaaagatctc acttgctcaa tcccagattg 240

atatcttaag atgcattctt ctcagggtag ttaccagcct cagcctcaca tagctcaaga 300
gctgttaaatt ttccctgaag aaaatctcac agttcaacac atccaacaat ttttggggat 360
tgtaaattat atcagagatt ttatccccag atcagcccaa tataccagtt ta 412

<210> 16719
<211> 473
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16719

ntagaaggat cactatttct cctgagagt gtctacatg ccacatagcc tctatgcct 60
acaccaatta ttgttgata ggtatcatca tatttatgct aagaaaatca tgcacatcag 120
aaagaataag ttaaaatagt ataccaattg gtacaatagc accatctgag ccaccacaaa 180
gcatcaagtc ctgcaattac ttacattntt aatgttttca ataaaataac tatataatta 240
cactaaactt gttntaagaa ataaaagatt ggtaaaatat gagaaatcta ccatctaata 300
agcaaagtct gaagtgagat acttacagct tcacctctaa tgatatgggt tgcagcattc 360
aatatacaaa aattactagt agcacagct gtagagattg aataaatang gcccatccac 420
ccctaaagtt ttcatatgat aaataaataa ttggttagaa gctatatata gac 473

<210> 16720
<211> 477
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16720

tctntanagc aaaagataaa tagcaataaa taaaagaagt ntaatggaag agaggaatgc 60
aaacttgatt tatactgggt cggccacttc tcgtgcctac atccagtcct caagcaaccc 120
acttgagatt ttccattctc tttgtaaaac tctttttaca aagtctgaac cacacaggga 180
caaccctttc cttgtgttca ggaatcctct ataacaagag acccacggtc tcttaatccc 240
ttttcagaaa aaagaagaag agaagaagaa atctctctta caagagatag attgtacaat 300
gaagatcaat caaaattcct tattgcatat gcaagtgggt gaccaaggaa tctntttgag 360
aagataagac agttcagttc agaaaaactc ttaatctttt agaaggatan aactgtttgg 420

gcaatgaaaa ctccctttga atntgtgttt ccaagtcacc tttgatggcc attcata 477

<210> 16721

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16721

tgtgatatct gcanaaaggt tgtgtttgtc aattttgggc atgtttatta tctcaaccct 60

aaaaatntaa gcaatgtcga taattntatt aacactactt ttcatttcac tgggtgcagca 120

ttaattatgg gcttaacatt ctacagggca ttcaaaatga gaacaaaaac ttaaaaaaat 180

cactgaaggt aatttaatat tagatgttac aattataaac ctttctccat catattttgt 240

ggagatattt tgcattacta ctggtatcca tctagtttct ttaccttgct atgatttgaa 300

ttgtggaatt gtcacctgta ttctttgaat tgttnttcca ggatgtggtt actgagaatg 360

aatttgagaa aaaacttctt gctgatgtta ttccgccaac cgatattggg tcacatttga 420

tgatattgga gctntagaaa atgtgaagga caccttg 457

<210> 16722

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16722

nggaacanna tatttgaatt cttggtctcc ttagagaatt tgtaaagatg tctgctagtt 60

gatcattaga actaacgaat tcagcaataa cttccttaga aaggactttc tcttggacaa 120

aatgacaatc aatctcaata tgttttagttc tctcatggaa tactggatta gaagctatat 180

gtagggcagc ctgattatct caacatagct tcatttggtg agtatttcca aacttcaatt 240

cttaaagaag ttgtttaatc caaatgagct cacatgtggc tacagccata gctctatatt 300

cagcctctgc actagacctt gcaacaacat tttgcttctt actcttccat gagacaagat 360

ttcctccaat agacacacaa tctcctaaag tggaacgcct atcaatgcgt gatcctgccc 420

aatctgcac gcaaaattca actatttgag tgtttccttt gtcttcat 468

<210> 16723

<211> 338
 <212> DNA
 <213> Glycine max

<400> 16723

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ctcgagagct tcctatgtgg aatttcgagc gtctcgatat attatacgcc tgaatcgaac 60
ctcagtgtta aaagttatga ccatttgaat ttctgtagag catccgttgt tcattttcga 120
gcgtctctat atgtgatgaa ccttaatcgg acctccgtgt gaaaagttat gaccatttga 180
atctctcgag agcttccgtt gttcaatttc gagcgtctcg acatattatg cgcccgaatc 240
ggacatccat gggaaaagct atgaccaatt gaatttctcg agagcttccg ttgttcaatt 300
tcgagcgtct cgatatatta tgcgcccga tgggacat 338
```

<210> 16724
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 16724

```
atcactcgac ccgggaccc taagtcacct ggggctgcaa gcttgctttt aattctgac 60
agaatcaatt ttctgatctt caaaccttag ctccggcttc ctcttcccca tatcaactat 120
gcagcttgcg gtcaacatga atggccttcc caatattaca gggatgtcag tatcttcaga 180
gatatccatt accacaaagt ctgtcgggaa gataaaatgt tttactctga ccaacacatc 240
ttcaattact ccatatggcc tggtaatgga gtgatcaact aattgtaaag tcatttgaat 300
gagcattatt tccactctt ccaatctttt gcacatggag agtgacatca aattgatact 360
tggaccagg tcaataaaag cttttccac tttgacttct tcaattgaac aaggaatagt 420
taca 424
```

<210> 16725
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 16725

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tgtaatcgat tacacatata ctgtaatcga ttaccagagg agatttttat ataatttct 60
aaacagtcac gtctttgtct ttggttcttg aatggctatg aaaggcctat atatatgtga 120
```

cttgagacac gaatttgcta agagtttttg tgaacaaaaa gatcttattc tcttaaaaag 180
 caaaattgtt ctatcctctt acaaatacct tggccataac acttgtgatt caataatgaa 240
 ttattagagt gctcaaattg ttcaatctat ctctttcaga agaaatacgt cttctcttct 300
 tcttattcta aaaaggatta aaaactg 327

<210> 16726
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16726

agaggtcttg tatatttgca tgtaattnta agttcaaacc ctcatcgtaa gaaaaacact 60
 aaacacttat gatataaatt taatactatt attttatagt cattgtattc actatatttt 120
 ttattgtcat gttataaata tattattagc agcatatqag ctatccctat caagaggaag 180
 gggcacacat ttgagttctt atacacttag taactataga ttccttacta tttggcaatg 240
 cagataacga acgaaccccg actcttcaaa taatttttaa tatatgactt ctactagtgc 300
 ttaagttacc ttcttttatt tttgaattta tgttctagct ctttagaaga cattaaacca 360
 caaatatttt ctatttttaa aaaaacaaca agtgaattta atttatatta a 411

<210> 16727
 <211> 471
 <212> DNA
 <213> Glycine max
 <400> 16727

cgtacgggta aagtctcacg atgggtcacgt gctcatgcaa caattgttat tcgtggctat 60
 acgagacatc ttgcgaaaca aagtcaggtt agcgataact cgcttgtgct ttttcttcca 120
 tgctatatgt agcaaagtcc ttgatctagt caagtttgat gagttggaaa atgaggccgc 180
 aattatactg tgccagttgg agatgtattt cccccccgc tttctttgac atcatgattc 240
 acttgattat gcatctggtc agagaaatca aatgttgtgg tcctgtttat ctacggtgga 300
 tgtacccagt tgagcgatac atgaagatct tactagggta taaaagaat ctatatcgtc 360
 cagaagcatc tattgttgag aggtacattg cagaagaagc cattgaattt tgttcataat 420
 acttacagaa tgctatacct gttgggcttc ctgagtgtct gcatgatgat a 471

<210> 16728
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16728

agctttatcg ttattcccaa agcttcatgt agacttgctc agaatcgcg agtgaacctc 60
 ggatccctgt ctgatacaat actggaagga attccatgca accttaccac ttctttgata 120
 tacaactcca ctagcttttc cattntatac ttcatattca ccggaatata ctgagcagat 180
 ctggtaagtc gatctacata ttcagccaca tctttcttcc tgccatgcca ccaaacactt 240
 ctcttcaaat cttggcacat cttagacatt ccacgatgga aactaagacg acttttatgc 300
 gcttcttcca tgatctttac tgtcaaatca tctaaagatg acacgcatat gctccccttg 360
 aatttaatta taccagttga gccctctcga actctacctc cttatccccc atta 414

<210> 16729
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16729

tctatagaag gttcattcct aatttctcta caatagcatt tctctcaatt agctggcgaa 60
 gaaaaatgtg gcatttacct gtggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120
 aaagcttact aaggcaccta ttctagctct tctgacttt tctaagactt ttgagctaga 180
 atgtgatgcc tctggagtgg gagttggagc tgtattgtta caaggtggac accctattgc 240
 ttatttttagt gaaaaactat atagtgccac cctcaactac cccacctatg ataaagagct 300
 ttatgcctta atatgagctc tccaaacttg tgaacattac cttgttgaca aggaatgtgt 360
 cattcatagt gatcatcagt cacttagcac att 393

<210> 16730
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 16730

gacattatca ttattacttc ttccacgggtg ctggaacgta cttacatgga cttgatgggg 60
 cctatgcaac tagaaagcct tggaggaaaa aagtatgcct atgtggttgt ggatgatatc 120
 tctagattta cctgcgtaaa ctttatcaga tagaactcac acacctttga agtattcagg 180
 atgtgagtct tacacttcaa agagaatagg accgtgtcat caa 223

<210> 16731
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 16731

ttttcttcaact ttaggagacg gccattccgg tgttggagaa gatcaacgac aatgcctaca 60
 agattgactt gcctagttag tataatgtaa gtgccacttt caatgtgtct gatctatctc 120
 tttttgatgc agatggcgga gccttggatt tgaggacaaa tccttttcaa gaatgaggga 180
 gggatgagga cataaccaat gaccatgaag cactggaatg tcccatgacc atatgcagac 240
 ttatacaagc ccaacgcgtc atagagacac ggctgggtcat ttgtatcgct gccattgatg 300
 atgattg 307

<210> 16732
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16732

tgtgtttgag tgagggtgata ctttcttagc atctntgatt tcctatacct ctcttctcaa 60
 cccgccatag taatgagaaa caggagcatg tctcagagta acaacatata catcaccaaa 120
 ataatatcct atagtagata aataatcata ttccggatgtg cctaggtaaa taacaaatgt 180
 ataatgatta cacctcacag aacaacatgc ataaatatac cagatctaaa cattatgcaa 240
 gttattctga cctaggttgt tgtcaagagt cttggtgaac tgggtccaaag ctggagaaac 300
 cttcaacctt tgcttcagaa tcctcttcgt cctctgaatt tgaacattct ttggccactt 360
 catgaaccga gtcaagtctc tcttcgaggc aacgccccctn cgattctgaa cctctttgac 420
 gcttctcaac agcagatttg aac 443

<210> 16733
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16733

```

agcttaccac tataggaagc catggataag agcatgaagg taggagaaga tgagtggagg   60
gagaaggaga aaaggagcac gaaatTTTTat gcctcaattg aagtctaaaa tttgaagtgt   120
aattctctaa taatcaaagt tgaaaaaaag cacacacatg gcatctattt atagcctaag   180
tgtcacaaaa ttggaggaaa atttgaattt ctattcaaat ttcacttgaa tttgaaattg   240
aatttgtgga gccaaaattt tactaattat gattagtga ttttagctat gtttcaaccc   300
actaatccaa gatcaagtcc aagattcctc actaagtgtg cttaagtgtc atgtggcatc   360
taaagcatga aggacatgca caaagtgtga cta                                     393

```

<210> 16734
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 16734

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agcttgaccc ttacgagtca gtttagtcaa aggtaaagct aacttggaga aaccttctat   60
gaatctctgc gagtatcctg ccaaaccag aaaactccta atctctaaaa cagatttggg   120
actctccac tcaagaacga cttctatctt agatggatct acagctatgc ccccttgaga   180
tatcacatgc cctaggaac taactttctc taaccgaaac tcacacttgg acaacttagc   240
atagagttgt cgatccctaa gtgtatgcag cacaatcctc agatgttctt catgttcctc   300
tctagtcttg gagtatacca aaatatcatc tatgaatacc accacaaaac tatcaaggta   360
agggtgaaag actctattca ttagtccat aaacac                                     396

```

<210> 16735
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 16735

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agcttaaaca ttcactttcg agcctctcga tatgttacgg gactcaatca aacatccgag   60
aaaaaagtta ttgtcgtttg aatttgc tca gaggttcaac attcaatttc gagcgtctcg   120

```

atatattacg ggactcaatc agatatccga gtaaaacggtt attgtcgttt gaattggctc 180
 agaggttcaa cattcathtt cgagcgtctc gatatgttat gggactcaat cagacatccc 240
 agtaaaaagc tattgtcgtt tgaatttgggt cagagattca acattcaatc tcgaacgtct 300
 cgatatatta cgggactcaa tcagacatcc gagtaagaag ttattggctg ttgaattggc 360
 tcagagcttc aacattcaat ttcgagcgtc tcgatatatg acgggactca atca 414

<210> 16736
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16736

ctgagccaat tcagacgaca acaactttnt gtcagatat ctgatttgtt ccagtaatat 60
 aacgagacgc tcgaaattga atgttgaagc tcttagcaaa ttcaaaccatc attaagtatt 120
 tactcggatg tttgattttg tcccgtcata tatcgagacg ctcgaaattg aatgttgaac 180
 ctttgagcca attaaaacga caataacttt ttactcggat gtctgattga gtcccgtcat 240
 atatcgagac gctcgaaatt gaatgttgaa gtcagagacc aattcaaacg acaataactt 300
 tctactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgagat tgaatggatga 360
 acctctgagc caattcaaac gacaataact gtttactcag atgtcggatg ggtccgcgta 420
 ta 422

<210> 16737
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 16737

tcagaattca atttcgagcg tctcgatgta ttacgagact caattattac actccgagtn 60
 aaaaagttat ttgtcgatgt gaatttgggt gagagcttca acattgcaat ttcaagcgtc 120
 ttgatattat acggaactca atcagacatc caagtaaaaa gttattgtcg attgaattat 180
 gtctcagcgt cataattcta tttcgagcgt ctcaatagat tacgggactg aatcagacat 240
 ccgagcaaaa cattattgtc gtttgaatta tctcagacct tcagaattca atttcgatcg 300

tctcgatata ttactggtct caatcaaaca tctgaggaaa aaagttattg tcatttgaat 360
 tgcgtgagag cttcaacatt caatttggag cgtttggatg tattacggga c 411

<210> 16738
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 16738

tgtcaaagct gacaatatct tcagatatgt ggacaccggg aatctaatac tgacttccca 60
 gtaggttcaa acgtgactca ggtgtttgtt gatcaactac cgtgactaaa cacccttggc 120
 atagcttttg ctcgcataga ttttgcacca tagggtttga acgctcccca cactcaccct 180
 cgcggcactg agatccttat agtccttgag ggtactcttt atgttggatt tgtgacttcc 240
 aatcaagatg gaaatcgctt cttcaccaaa gtgctgaaca agggatgatg gtttgtgttc 300
 ccaattggtc tgattcattt ccaaataaat atgggaaatg ggaatgctgt tgccattgct 360
 ggcccttagca gtcaaaatcc aggagctatc acta 394

<210> 16739
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16739

agcttgtagt ttattcgaac gacaataaca tttcactcgg aagtccgatt gagtcccgta 60
 atatatcgag acgctcgaac tttaaaaccg aagctcgtag cagatttgaa cgacaatgac 120
 atttactcgc gaagtcctat tgagtcccggt aatatatcga gacgctcgaa atttagaatc 180
 gaagctcgta gaaaatacga acaacagtaa cttttcactc ggaagtcgga ttgagtcccg 240
 taatatatcg agacactcaa aattttaaacc ccaagctctc aganacttct aacgacaata 300
 acttttcact cggaaggccg attgagtccc gtaatatatc gagacgctcg aaatttaaaa 360
 ccgaagctcg tagcaaattc gaacgacaat aacatttc 398

<210> 16740
 <211> 468
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16740

ntggttntaa atttcgagcg tctcgatata ttacgggact caatcgggtct tccgagtgaa 60
aagttattgt cgtagaatt agctgcgagc ttccggtttta aatttcgagc gtctcgatat 120
attacgggac tcaatcggac ttccgagtgaa aatggttattg tcgttcgaat ttgctacgag 180
cttcgggtttt aaatttcgag cgtctcgata tgttacggga ctcagtcgga cttccgagtg 240
aaatggttatt gtcgtagca tttgctgtga gtttcgggttt taaaattcga gcgtcacgat 300
atattacggg actcaatcag acttccgagt gaaatgttat tgctgtagc atatgctgcg 360
agcttcggta ttaatatttg agcgtcttga tatattacga ggactcatcg gacttccgag 420
tgaaatgtat tgctgggtcaa attgctcgag cttcgggttta attcgagc 468

<210> 16741

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16741

ntaatggctt agtgaggatg gagagggtgca agtaaggaag caagtagagt tggatatttc 60
cattggaaaag tacaatgata aggtgctntg tgatgttggt cctatggagg ccagccactt 120
actcttgtgg agaccatggc aatttgataa gagggctaata catgatgggt tcaccaacaa 180
gatctctttc acgcatcaag gcaaaaagat agtgctcaaa ccgttgagtc cacaagaagt 240
gtgtgaagat caaagaanaa tgagagagaa aattcttcaa gaaaagagag aataaganna 300
agagagccaa acacttgaga gttcataaag tgaggacaaa aagagggaaa cacaagagag 360
gaaaaagatg agtgaaacat ttgaagtgag ggagaattnt ctagctacaa aaggagagat 420
c 421

<210> 16742

<211> 397

<212> DNA

<213> Glycine max

<400> 16742

agcttgtccg ttggatgcct acccattacc cattagaaat agactagtag atagggcagc 60
aagaccctgc ctacttagct tcttagatgc atactcaggg tacaaccaa tacggatgca 120
tccacaagat gaggagaaaa caaacttcat aacctagtcg tctaactatt gctatcagat 180
tatgccattc ggcctaaaaa aggctagctc cacttaccag cacctaattg acatgatatt 240
caaagaacaa attggaaaga aaatggagggt atatgttgac aacatggtgg taaagtctaa 300
tgatgcagaa tcacacacct atgactcgga agatatattt gcaaagatct gaaagcataa 360
catgtaactc aattcgaaga agtgtatggt tggggta 397

<210> 16743
<211> 475
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16743

ntgtctttct tagtactcat aattctacat taattatttt tcttgatgca tgattaacaa 60
aactttaaca tgcagaattg ataagaggta aatgtcattg caacaatact atgtggtaca 120
ttcttagtat gatcaccctt gcagaaccat aaagattgtg aataacaagt caacatcact 180
tagtgccatg gcaatggtaa agccaattac gccatttctt taggcctccc acaaagctct 240
taattctata tatatttata aaaaaataaa tcaaatttaa attatcaggt aatatattct 300
attgcattat ctattattat ttgcgtagcc agattataaa attttaatta cacatagata 360
tattataaat catttgagaa gtttataatt catttgacaa ttatagaaaa attagtttcc 420
atctacttta aatcttgtaa aatcacactt aatgaatata atgattcaat ttata 475

<210> 16744
<211> 458
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16744

tagcattagc atgtgttgac actggatcac taatcattgt gtacgtgttt gttactttag 60
tggatcctat caaagaacct ccgcttataa ctacaaacat agttctgtct gtttttgttg 120
tgtattgtca tgtggacaaa gttccatgcc atgtttgaga catctaagat tggcgtcttg 180

cctttgcccc gtattatatt ttgcaacatc ttcctttctt aaccttgtca ttacctcgaa 240
 attntaatat ggcaacttac tcttgtggaa aataattttt aagaattaat ataacacttt 300
 aaaattaaat ttagaatatt aaaaaaatat aaaacataga tataattctt taggtgctat 360
 tgatactttt ctctgttag aattaaatc gtacttcagt aatccacata ataaagatat 420
 acatcataaa attacatcaa ttatcatagt gaaactct 458

<210> 16745
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16745

agcttttcaa ttaatctttg gctagctaca ttagtgcaat taccctatc aataatcaaa 60
 gagcatattt tcccatgac catgcacctt gaatgaaaaa tgttctccct ttaagtttca 120
 tctctatect tacacacatt acccattaac ctctaacca taaaagatc accttccagg 180
 ggttgtagat cacattcatt ttcactctca ctagaagaac tagaccagct agaagaagat 240
 aaactaatga tatccccatt acccaacaca accatagtcc ttttgctagg acattgngag 300
 gcattatgac cttttcccaa acacttanaa catttaatag aacttacttt tgaagaagta 360
 ggagtagggg tagaaccaca ccatactacg agagagggtc cctcttttac catttttaat 420
 atccc 425

<210> 16746
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 16746

agcttgaatt tgaacaacag aagctctcga gaaattcaaa tggtcataac ttatcacacg 60
 aaagactgat tcaggcgcat aatatatcga gacgctcgaa attgaacaac ggaagctctc 120
 gagaaattca aatggtcata acttttcaaa cggaagtccg attctggcgc ataatatatc 180
 gagaagcttg aaattgaaca acagaagctc tcgagaaatt caaatggtca taacttatca 240
 cacggaagtc cgattcaggc gcataatata tcgagacgct cgaaattgca caacggaagc 300
 tctcgagaaa ttcaaaggt cataactttt cacacgaaag tccgattcag gtgcataata 360

tatcgagaag ctcgaaattg aacaacgaaa gctctcgaga aatt

404

<210> 16747

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16747

tctggatata ttatgcacct gaatcttact tccgtttgaa aatctatgac catttgaatt 60

tctcgagaga ttccgttggt caattccaac cttctcgata tactatccgc cggaatcgga 120

cttccgtgtg acaagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttcg 180

agcgtctcga tatattatgc gcttgaatcg gacttccgtg tgataagtta tgaccatttg 240

aattttctcaa ctgcttccgt tgttcaattt caatcttctc gatataattat gcaccttaat 300

cggaactaccg tgtgaaaagt tatgaccatt tgaatttctc gagagcttcc gttgttcaat 360

tccgaccttc tcgatatact atgcgccgga atcggaacctn catgtgacaa gttatgacca 420

tttgaagttc tcgagagct 439

<210> 16748

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16748

ctcgagctcg cgcccgctg atactctaca ctgcacctgc cgcattcagc ttatataaat 60

cttaanattc agatagtcta atgaaaaata aactttccac ttgatatcgg gtatcaagaa 120

ttaaaattta aatcacatta aaatgaaact tgagaaacaa aatatgaaag caagaagtat 180

aaataagaaa taaattgaat atttacctat atatgtgtaa atatttctgt aaaagatcaa 240

aatataata ctttaatat tgggttaaaa tatacaagaa tgtatagcat tggaacaatt 300

gtttaagtta tttgatatga taaacatatt gtttttactt tctgtaaatc atgatccata 360

acgttcatgt tatgaatacc cataaccag tgaaaacaat attttcatcg tattgcaagc 420

agcgccaa 428

<210> 16749
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 16749

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agcttcaatg gcttagtgag gatggagagg tgcaagtaag gaagcaagtg gagttggata 60
tttccattgg aaagtacaat gataagggtgc tttgtgatgt tgttcatatg gaggccagcc 120
acttactctt ggggagacca tggcaatttg ataagagggc taatcatgat ggtttcacca 180
acaagatctc tttcacgcat caaggcaaaa agatagtgtc caaaccattg agtccacaag 240
aaatgtgtga ggatcaaaga aaaatgagag agaaaattct tcaagacaag agagaaaaag 300
aaaaagagag ccaaacactt gagagttcaa aaagtaagga caaaaagagg gaaacacaag 360
acaggaaaaa gatgagttaa aca 383

```

<210> 16750
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16750

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agctttcttat tttcagaaga tgaagatgaa tccgtggcca catcatggac ttctctaagg 60
acaatagcat catttcttgc actgaattgt tgggagttgg aagcaatctt ctcaatcaga 120
ttcctagcct caacaggagt catatcacca agagctccac cattggcagc atcaatcata 180
ctcctttcca agttgctaag tccctcatag aaatattgca gaaggagttg ctcagaaatc 240
tgggtggtgag gacagcttgc acacaatttc ttgaatcttt cccagtactc atacaagctc 300
tctccactaa gttgcctgat gcctgaaatg tcttttctga tggcagtggt cctagatgca 360
nggaagaatt tctccaagaa caccctctt 389

```

<210> 16751
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16751

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agcttaatgt atccacaaga aaagaccatt acccgcttcc cttcatggat caaatgcttg 60

```

agagacttgc aaggcaatcc ttctactggt tcttggacag atactcaggt tacaatcaga 120
 ttacagtaga tcttcaggat caagaaaaaa cagcggttac atgtcctttt ggtgtttttg 180
 cttatcaccg catgttgttt ggtttatgta acgcccctgc tacttttctaa agatgtatga 240
 tggcaattnt tgatggcatg gtagagaaat gtatcgaagt ctttatggat gatttttcgg 300
 tcttcggtgc atcttttggg aattgcttag caaatctaga gaaagtgtta cagcggtgtg 360
 aagaatcta 369

<210> 16752
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 16752

taagcttgaa ggaaacctg atgccttggc caaccaagta actcagcttg ccatgaatca 60
 gaaatctaca cctgttgcaa gagtctgtgg tctatgttct tctacagatc accatacaga 120
 tctttgtcct tctttgcagc aatctggagt taatgaacaa cctgaaactt atgctgcaaa 180
 catttataat agacccccctc agcagcaaaa ccaacctcag cagaacaatt atgatctttc 240
 aagcaacata tacgatccag gttggaggaa tcatccaaat ctgagatgga caagtcctcc 300
 acaacaacaa cagcctgtcc c 321

<210> 16753
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16753

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 caagttgaaa gccttggagg aaaaaggatg gectatgttg ttgtggatga tttctccaga 120
 tttacctgng tcaactttat cagagagaaa tcagacacct ttgaagtatt caaggagttg 180
 agtctaaggc ttcaaagaga aaaagactgt gtcatacaaga gaatcangag tgaccatggc 240
 agagagtttg aaaacagcaa gtttactgaa tactgcacat ctgaaggcat cactcatgag 300
 ttctctgcag ccattacacc acaaacagaa tggcatagnt gagaaggaaa aacaggactt 360

tgcaag

366

<210> 16754
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16754

agcttccatt ntcaattacg agcgtctcga tatattacgg gaccaattg gacatgcgag 60
cacaaagtta ttgtcgtttg actttttctca gagcttttat tctgaatttc gagcgtctcg 120
atatactacg ggacacaatc ggacatccga gtaaaaagtt attgtcgttt gattntgctc 180
agagcttctg ttctgaattt ccagggtgtc gatataccac ttgccaccat cggacatccg 240
agtaaaaagt tattgtcgtt tgaatttgct cagagctttt gttttcacat ttgagcgtct 300
cgatatataa cgagactcaa tcggacatcc gagtaaaaag ttattatcgt tagaattggc 360
tcagagcttc cattntcaat tacgagtgtc tcgatatatt ac 402

<210> 16755
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16755

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gacggccgct cccatgctag ttntgcctaa cccaagagaa ccccttgagg tgtattgtga 120
tgcatcaaag atgcgttttag gaggagtgtt gatgcaaaat ggccaaggag tggcctattc 180
ttctagacaa ctcaagactc atgagaggaa ttatcccacc cttgatctgg agttggctac 240
tgtagttttt gcccttaaga tgtggaggca ttacctgttt ggctccaagt ttacagtgtt 300
caaggattat aagagggacc atgacacana gatcctncac aaagaattta gtcccagaca 360
acaagta 367

<210> 16756
<211> 383
<212> DNA
<213> Glycine max

<400> 16756

tttagcttat gaatatcaga tcgcaccttc gcttctaaat gttcaagaat ctcttgatcc 60
gtgggatcaa acttcaactcc agcaggcagt ccaggtaagt catgaattcc accaccctaa 120
aattattcaa caccacaata tttattttaa taattttttc ataaagaacg ccaaaaaaaaa 180
aaatgaaaaa tgaatcaaac taagacaatt acatcaaaag aaaaaaaaaag tactcaaaag 240
ggtaatatta tctatatgat atatatcatt aācaāaaagg ttaataatta agaacctgat 300
cttggcattt gatatgatga ccacacgtag gacaagttct aattaagcta tcttttcgtc 360
cctccactat gatgttatga tga 383

<210> 16757

<211> 435

<212> DNA

<213> Glycine max

<400> 16757

tgcaattgcc ccagtaatga tcgcacttga cctgagttta gaatttgaat tgatgtgtga 60
tgccaatgat tatgcagtgg gcgcagttct aacacaaagg caagacaaga tattccatgc 120
catttactat gctagcaagg tcctcaatga tgcataaatg aattatgcca caaaggagaa 180
ggagatgcta gctattgcct ttggcttggg gaaattcaag tcatatttgg taaggtcgaa 240
ggtaataatt ttcaccgatc atactgctat caaacacctt ctcaccaaag tagattccaa 300
accatgactg attagatggg tcctgcttat acaagagttt gatatagtta tcaaagacaa 360
gaagggatct gggagcgtgg tggctaatac cctctcccag ttgaagaacg aaagagtaac 420
taaagaagaa ccgaa 435

<210> 16758

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16758

agctttattt ttgacaacta atattgntaa ttgatgaccg cgatgcatgt ttgtgccata 60
tcattgacaa tgtttcataa tgcaaaataa tttattcttt tgcagcattg tgatttttca 120
atcacacttg gatttggata ggttccaatt aaggcaaaaa ttattatatt tgcttgatca 180

actaaaatgt tctttgtaca tttttttctg tgtatataat attaatatgt gtatatctaa 240
 tttgtaatat ttctgctatt tatagttatt gtattttatt aattatcatg tgatgtctcg 300
 ggtattatgt gataggatgt tttatcattc taatcacatt ggtgatgatg ctaatttaac 360
 tgtgattcta tttttctga 379

<210> 16759
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 16759

ctcaagtttt agctggacaa ttccgagagc ctgatataat tattcccttg aatcgcacct 60
 ccgagtgaat atgtatgacc tattgatttt gctaagagct tgcgagctca tattcgagcg 120
 tctcgatata ttatgcccc gaatctgacc tttagcgcaa aggttatgac catatgaact 180
 cctcgagagc ttgcgttgc taatttcgag cggtctgata tattatgcac ctgaataggg 240
 tctccgaggg aaacgtcttg accatttgaa tctctcagag ctgcattca tcagttttac 300
 cgctcgaat attatgcgcc tgaatccgac c 331

<210> 16760
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16760

tttgatggtg tcgagaagaa atcacatgtn tgtcattttc attttagggg agaatgtgaa 60
 tgtatgtata catgaatttg atgatgtcaa agaagaatct aacaaggctg cttcaaata 120
 taagcatttg cttcaagaat aattcaagat tgcttcaaca aacaaagcct tgtttcaaga 180
 ttactaaaag accaagcctt gccttaaaac aaagtgtttt caagacatgc aaggctctgg 240
 taatcgatta ccaggaagtg taatcgatta ccagaagaca gggttgagaa atagctgttg 300
 aaaaagggtt tgaatctgaa ttttcaacat gtaatcgatt accatattgc tgtaatcgat 360
 taccagcaac gaaactttgg aaattcatat tcaaagtcac aaccctgcan attataactg 420
 tgtaatcga 429

<210> 16761
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16761

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 gatgagcctg gcttgctcaa tggagatttg aagtgactca aagattgtcg ctaagtcgac 120
 tcattgggtg gaggaagact tgagaagctt ctacttcagt ggaattaggg tttgtgccag 180
 gtcaaagaag atgagacgca ggattggcaa aaggccatgc ttgaaggatt cgcgccttgg 240
 gtgaatcatg gtggttgggt cccttgccaa tgaagatggc atgcacgaca aaggaggtcg 300
 aggagctagg aggggggaaaa gtctatgggg aagaggtggt angtggcgga aat 353

<210> 16762
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16762

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 aaaatctgca cctgtcgcca gaatctgtgg tctatgctcc tctgtcgacc accacacaga 120
 cctttgccct tctgtgcaac aatctgaagc aattgaacaa cctgaagctt atgctgcaaa 180
 catctacaac aaacctctc aacctcaata gcaaaatcaa ccacaacaga acaattatga 240
 cctctccagc aacaggtaca atcccggatg gaggaatcat cccaacctta gatggtcgaa 300
 tccttcacaa caacagcaac aacaacctta ttttcaaaat gatgctggcc taagcagacc 360
 atacgttctt tcaccaatcc agcagcaaca acaacaac 398

<210> 16763
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16763

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attcccaatt ttcaacttac ctatttggaa gtgacatcat ggccgctatg tcccagctat 120
ccatttggtga ttcagtcaca aaacaaaactt gaatatgttg gactatctaa cacggngatt 180
ttcgattcta tttccacaca gatgtgggaa gcactttctc aggttttgta tttaaacctc 240
tctcgtaatc atatccatgg tgagattgcg actacattaa agaatccact atctatccca 300
actattgatc taagctcaaa tcacttgtgt ggtaaattac cctatctatc aagtaatgtg 360
cttcagttgg atctttcaag caattcatc 390

<210> 16764
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 16764

tagagagatt cccgatctga gagggttctg ttctgttttc aacaacataa ctcaggtcaa 60
gatacaccaa atttgagaga ttcccaatct gaggaggaat cttcccgtgg attccagtat 120
cagagaggtc taggtgagtc aaggagctca ttgcacaaag gaaagaagaa attgccatac 180
cttctccaag taaatcattg tagctcaagt caagatatcg aagcttagag agattcccga 240
tctgaggagg aatcttcccc atgaatccag taagagcgag gtcgaggtga gtcaaggaag 300
tcattgtccc atggaaagaa ggaattgaca taccagctcc aaataatata ttgccgtc 360
agtcgaagta attcaaatgt tntaaatcag ccaaacaagg acttatctct ccac 414

<210> 16765
<211> 389
<212> DNA
<213> Glycine max
<400> 16765

ttaagtttat taagtgttga tgattataac acatatatat ctatatgaat tgttaaaata 60
aattacgaat taatagttca aataataaaa ttaaattaaa ggaaattaat atattaagat 120
tcaacgataa atacttttaa tgcattttta gtttaattat ttattaacta tttttaattg 180
aaaaaaatat agtttgattt aatatatata tgttttgtgc catgtaaata ttaatattct 240
gtgatgtgta tatttttcat aagggtgcat aacatgttgc ataggaatta taacattgtg 300

attgagattg gatgtatgtg ataaatcgag tatgtgttga attgaagata catgtgtata 360
 agatcttgac gcattgagtt gtgagctat 389

<210> 16766
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16766

nttaaccctt ttctaaatga taggctcaaa attttgataa atattccttt tcaaaatggt 60
 ttgaagagat atgtcttttc aaaaagcttt ttctgaactt cttcactggt aatcaattac 120
 aggtttctgg taatcgattg cattattata ttttgaaggg tcatgacttt tgaatttgaa 180
 tttcaagagt ttcattgctg gtaataaatt acagacatat agtaatcaat tacatgttca 240
 aaattcaaat tcaaaaccct tttcaacagc tattttctcaa acttcccatc tagtaatcga 300
 ttacactgcc tggtaatcga ttaccagagt cttggatgac tttgaaacct tatgttttaa 360
 ggcaaggctt gatcttgaag aaatcttgaa gcacgactct gtttgttgaa gcaatcttgt 420
 attaatcttg aagcagt 437

<210> 16767
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16767

tcccactgat gagagtctgc tcaactcatgt tgtaactttt ctaatgattn tttccccctt 60
 tggattgaca aatatagggt gttttttgtg tatatttcgt ctgattgggt tgtatcattg 120
 atttctcttt gcagataaag gatggatttg ctgagggcaa ggatcttggt gtgtctgtca 180
 tgtctgctat gggtagaggaa cagatttgcg ccctgaagga tattgggcca aagaactagc 240
 ttttggtgct ggcagcctgt tgtttctatt taagcaaaga tccttttgta agcctttata 300
 ttggtttggt caagacctgg cttatggctt atagattcta gtcagactag tcttaacaat 360
 ggtgtttatg gatgtggtca cagaaactat atcacatttt ttctgggttt ctatgctgtc 420
 ctatga 426

<210> 16768
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 16768

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ctataaaaact_cagcttaçaa ggctgçgagt ggggtttttt ttatcttttc ccttatgtta 60
tcaaacataa aaagggaaaa ggtaaatattg tagccgatgc tctttctcgg cgatcatgcat 120
tactttctat gcttgaaaca aaattgattg gtcttgaatg tttgaaaagc atgtatgaaa 180
atgatgaaac ttttggagaa atttttaaaa attgtgaaaa attttcagaa aatggtttct 240
ttagacatga aggctttctt ttcaaagaaa acaaattgtg tgtgcctaaa tgttctacta 300
gaaatttgct tgtttgtgaa gcacatgaag gaggtttaat ggggcatttt ggggtccaaa 360
agactctaga aacattacaa gaacattttt attggcctca tatgacatag gatgtgcaga 420
aattttgtga acattg 436
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<210> 16769
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 16769

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taggcctaga ggggatggac cttttcaggt tttggatatg atcaataaca atgcctacag 60
gttggacctc ccagaagagt atggagtcag caccactttt aacatttcta atttaattcc 120
ttttgcaggt ggaactaata ttgaggagga ggaactaaca gatttgaggt caaatcctct 180
tcaaggggga ggggatgatg caatcctccc taggaaggga ccagtcacta gagccatgag 240
caagaggctc caagaggatt gggctagagc tgttgaagaa ggcctaggg ttctcatgaa 300
cctcagggtg gatttctgag cccataggcc aagggttgtgt ccaattatct ttgtacatat 360
tagattaaga tgtcattata ttttgtcttt gtatttaggg ctccatgatg taggtagggt 420
accctagaaa ta 432
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<210> 16770
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 16770

tctgcttcta ttgctcttct tcatctttac ttgggctatc tcagaccttt tatgtttgtt³³ 60
gtctaagatt ttgcatacac ctcccttcaaa gtgaagtgtg tagcttctct ccatcatttg 120
accaatgctt agaatatttt cttttaaggct gggaactagt aagacatcat ggatgagtcg 180
cataccttta tctgtctcca ccatgacagt gcctttgcct tttgattcaa ccacacttcc 240
atttcccagt cgaactttga ctttgacaga ctcgtaatg cttttgaaaa tagtctcatc 300
cttggccatg tgattgctac atccactatc caagtaccag ctctctccct tttcttttat 360
tgagtcttga gtggcataga acgtacattg ttcttgatca tg 402

<210> 16771

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16771

agcttcataa tgattagatc attatgatgc aatcctatcc cccaagggca ttggatagaa 60
gactccaaga agattgggcc agagatgtag gagaaggccc taggggttctc aagagcctta 120
ggatagattt tgggcccattg ggtttagtat gagaccactt atctttgtac atattagatt 180
aaggtttcat tatttttggg ccttgatatt agggttccat agtgtaggga ggctaccctg 240
gtaatatagg attttttagc ccttgtaatt tatggcacct agactagttt ttgtattaag 300
ggtagttntg taattttaca tgcattaagt gcactatttg at 342

<210> 16772

<211> 400

<212> DNA

<213> Glycine max

<400> 16772

agcttgtaca ttcaatttcg agcgttccga tatattaagg gactcaatcg gacatccgag 60
taaaaagtta ttgttgatg aatccggaca tagctgcaac attcaatttc gagattttcg 120
atatattacg ggactcaatc acacatccga gtaaaaagtt attgtcgttt gaatttgctc 180
agcgcttcgg tattcaattt cgagcgtctc gatatattac gggactcaat ctgacatcca 240
agtaaaaagt tattgacgtt tgaatttgct caaagcttcg gtattcaatt tcgagcattt 300

cggtatatta cgggactcag tcgaacatac gagtaaaaac ttattgtcgt ttgaatttgc 360
tcagagcttc aacattcaat ttcgagcggt ttgatatt 400

<210> 16773
<211> 410
<212> DNA
<213> Glycine max

<400> 16773
tgtcctcggg gacgaagaca attgaataag cctctttttg cttttcacag gcgtcaacga 60
ttctcaaaat gaagggctctg tgtttggaag tggcgatgag gtggagaaca acctcgggtgt 120
cggaggtagt gttgaagatg gacccgctgt cctcgagggt ggttcggagg gtgcggtagt 180
tgacgagggt gccgttggtg gccacgccga cggagccgaa gcggtagccg gcaacgaagg 240
gttgcacgtt tttgagcatg gattggccgg cgggtggagta tcggacgtgg ccgatggcga 300
ggctgccggg gagctggtcc agcttcgact ggttgaacac gtcggaaacg agaccaacgc 360
cggatgatga ttggaggacg ttgttgtgaa ccgtaacgat tccgggcgcct 410

<210> 16774
<211> 432
<212> DNA
<213> Glycine max

<400> 16774
tctcaaagat gtacttaacc aggtccatct tggttatatt accaggtggt atggctcagc 60
atgtattgtc ttagacggtg ggacgcccag actaaagcac aacacgttct ttcgagcagg 120
gagtagttca tttcataggc cgtgaacttt ttactcaagt agtagacagc gcgttctctc 180
ttcccggact cgtcatgttg ccccaacata catccaatcg actcatcaa aatcatcata 240
tacaagatga gaggccttcc tggtagaac gacataagca cgagagggtt catgagacac 300
tgtttgatcc ttccaaaagc ctcttgacaa tcttcattcc aacggacgga ttgggttttg 360
cgtaagagtt ggaataacgg ctcaacaatta gcggtgagtt gtgatatgaa tctggcaata 420
taattcaaac gt 432

<210> 16775
<211> 424

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16775

atgctggtgt aagaaccgtg ttttcatttt gtttcttatg ttngatcct tgatcatcaa 60
tcatttcttt ctggaatagc tgatgttcgt gatcggcaca gggatatgcg acttgatggt 120
gataacatgt cttatgaggt aaaatctcat ttctacatct ggatggaaat attaatatat 180
ctatacaacc atagtgtcag tttatccctt atatttcaag tcagtgtctc gctttagaga 240
gtttctcatg tgacattcgt gactataaca ggagttgttg gctctggaag agcgcatagg 300
aaatgtgagt actggattga gtgaggaaac tgtattgaaa cacttgaaac agagaaagca 360
ctcggctgan aaagggcctc agattgatgc agaaccctgt tgtgcttgtc aggtaaacct 420
gact 424

<210> 16776
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16776

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acccaagatt tgttggaaaa ctcatcttct ttgtgaagca tgttataaag ggaaacaaat 120
caaaactacc tttaaatccg gagatattgt ttccactacc agacctttgc aattgttaca 180
tatggaccta tttggaccta caagaacttt gagtctaaga ggaaagaaat atggctttgt 240
catagttgat gactattcta gatacatgtt ggtatagaga aaacggttat aactgtctgt 300
aatttattaa atctataagg taattgatta ttgtaacaaa gttaccaatt agattatcta 360
agtaatcaat taaagtgttc atccaatata tggaaaacaa ctcaagaaca atgtaatcaa 420
ttatatgacc tga 433

<210> 16777
<211> 400
<212> DNA
<213> Glycine max

<400> 16777

agctttttat gggagtcaag aaaatgaaag tgctccgaaa ccattagctg gaaaagaaga 60
 ttatgatcgg gtcaactaca tcgtaactat ctttgggaag acccaaaaga agccatcatc 120
 tgagctaaac atatggaaga aaagggtcaat attctttgat cttcgatact ggtccgatct 180
 tgatgttaga cattgtatag acgtgatgca tgtggagaaa aatgtctgcg atagtttaat 240
 tggcactctt cttaacatta aaggctagac aaaggatggg ttgaagtgtc gtcaatactt 300
 ggttgagatg ggtatacgag agcagttgca tccgatctca caagggtccac gaacgtatct 360
 gccccagca tgtagataa tgtcaacaaa agagaagtga 400

<210> 16778
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16778

tagcttctat actttataca agaatgaagc tctgatacca cttgttagac gagtggcctc 60
 agatatctta tgaagggggg gttgaattaa gatattccaa actacttccc caattaaaat 120
 ctatttcact ttttattcga gttataaatt cccttaataa tgaacttctt aaatattgat 180
 tcaaataaaa caatttgaat atgaatataa agcaataata aacaaaggag attaagggaa 240
 gagaaaatgc aaactcagat ttatactggg tcggccacac ctttgtgcct acgtccagtc 300
 cccaagcaac ccgctngaga gttccactat cttgtaaatt ctttttaciaa gttctaaaca 360
 cacaaggaca atccttcctt tgtgtttaga attccattac aa 402

<210> 16779
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16779

tctggtggga catcttgact tgctttccaa tctgactttc accacagatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atatattgac ttcattcttct ttggagacta 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactttgtga 300
 agtttacatt gagtccctca tcacacaact gactgatgct gatcaagttc gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactan gaagtccttc atggactagc tntcccattc 420
 cagtgate 428

<210> 16780
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 16780

tccgcttatt agtgcacaac tccttcttta atttagcata tcttgggaatt ttctttattg 60
 catccagcag agatatgttt acctctactt ttctaaatgt ttctaataac tccttctctg 120
 cctcttccat ttttttgttg gaaattgctc tttgagggaa tggaagaggg atatgttgct 180
 tttgtaaatt agaattacca gtggaagatt cacctgcata gaaattgtta ggtaacttac 240
 tcttttaaatt tttgtcatca tctttttctg gagtagagtg aggttgggta ggttcatttg 300
 cggatgagga agatgctact ggttaaggct cttgacactg ctttcctgac ctcaatgtaa 360
 tggcactcac atttttggga ttctggacag attgagaagg taatcagtca ga 412

<210> 16781
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16781

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 aatcaagcca aggctattgt gcaagcaatc aatggggcaa aacacaccaa attattatga 120
 tgatggatgg ctcaaattct cacaaaggta aactcatcac tttcaaattg agctttcaaa 180
 actatcatga catgtagaga agaatcaagg atttctactg tggcatttag ttttggggtc 240
 taggggtggg tagtgaagtg agtcatacca tgatggttca aatagatttt ttacttaata 300
 gattcacctc cattattaga gtaaaatgag acaagtgagg tattgaaata tttttcatgc 360
 aagactctaa attttggaaa aatagaagag acatctaatt tattctttaa tggatacaac 420

caacaata

428

<210> 16782
<211> 439
<212> DNA
<213> Glycine max

<400> 16782

tgtgcatcca atagcttgat gaggatgtcc cttatgttct taaaactaga ctgatccatt 60
tgcttccaaa gtttcatggc cttgcagggtg aagacccgca caaacatctg aaagaattcc 120
atattgtctg ctccaccatg aaacccccgg atgtccagga ggatcacata tttttgaagg 180
cttttctca ttctttagag cgagtggcaa aggacttgct ttattacctt gctccacgat 240
ccatcacaag ctgggatgac ctcaaaagag tattcttaga aaaaaaattt cctgcttcca 300
ggaccacgac catcagaaag gatatttcag gcattagaaa actcagtgga gagaacttat 360
atgaatactg ggagagattt aagaagctat atgccagttg cccgcaccac cagatttctg 420
agcagcttct tctccaata 439

<210> 16783
<211> 337
<212> DNA
<213> Glycine max

<400> 16783

cagtttttgg tagacctaca ctagcgggtga tgcactacga ggttgatcct aatgatcctg 60
atccactcaa ggatttatta cggctacgtg atcaactttt gagcaagctg aaaagtaatt 120
tactaaaggc tcaacaatat ataaatatgc gagctgatta gaaaataaga gatgtgccat 180
ttaacgctgg agatatgatt ttagttaagc tacagcctta catgaaacaa tcagcggctt 240
tgaggaagca tcagaagcta tgcatgcgct attttggtgc gtttatagtg attgaaaaaa 300
ttggtacgat tgcataataa gaacaactgc ctgagtc 337

<210> 16784
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16784

ctcagctgac cagaattatt gatgggtagg tgtgaatttt tttgttcctg ttgcggagat 60
gatcgtacag cgggtgaacc ataagcggaa gtttcttttg gtgaggtagc catggaaaag 120
catagcgttt ggaatgattt cgtatatctc agaaggctat tgggaaatgc tggttaaaac 180
acgaatgcc aacagatata aattttaatg aagaatgtat atgggcgtgt gacgcaacgg 240
tcgaatttgc tttgcggtga acgtgctatt aatgttaagt gattcgtttg ggcacgttca 300
gattgcagta gctgctataa tttctctagc agacaaatgc ccatcttgcc cctcagtttt 360
tcaaactgat tagcatccaa agcctttgtg aaaatatctg ctattngctg ctcagtgtca 420
acatgctcta gtgtgatcac t 441

<210> 16785
<211> 394
<212> DNA
<213> Glycine max

<400> 16785

tttcttatgc tgcaaacatt tacaatagac ctctcaacc tcagcagcaa aatcaaccac 60
agcagaacaa ttatgacctc tccagcaaca gatacaacc tggatggagg aatcaccccta 120
atctcaaatg gtctaaccct caacaacaac aacaacaaca acaacagcct gctccttcct 180
tccaaaatgt tgttggccca agcagaccat acattccttc accaatccaa caacagcaac 240
agccccagaa acagccaaca gttaaggctc ctccacaacc ttccctcgaa gaactcgtga 300
ggcaaatgac gatgcataac atgcaggttc aacaagagac cagagcctac attcagagct 360
taaccaatca gatgggacaa ttagctacac aatt 394

<210> 16786
<211> 395
<212> DNA
<213> Glycine max

<400> 16786

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attctacccc ccaagggat tgataaaaa acttcaagaa gattgagcca gagatgtaag 120
agaaggctct aggattctca tgagccttat ggtagatttc ggaccatgg gctaagtatg 180
agctcactta tctttgtaca tattagatta aggtttcatt atttttgtgc cttgtattta 240

gagctccata atgtagatag ggtaccctag agatatagga attttcaacc ctgtatattt 300
aaggcaccta gactagtctt tgtaattatgg gtagttttgt aatttcactt gcattaagtg 360
aatatttgat gtgtgtgttg ggaaataaat ttaat 395

<210> 16787
<211> 393
<212> DNA
<213> Glycine max

<400> 16787

ttgcttggtt agtgatttta agcttttcct tcaagacata tgcactttgt cctccactt 60
gagagttctg ccatactctt ttgactacct catgaaaaga tggatcttat aaccaacaag 120
tgagcattct aaatggttct ggacccaat catagttgtt atttttaacc aagatagggc 180
aatgatecga aacgtctcta tttagaacct cctgtattaa tcttgccaa acatctagcc 240
acccttagt gcatatgact atatcaattc agcgttttagc tccccattta tacaatacca 300
agtgaatttg tggttgatca tatgaacatc taaggatttc aagttttcat ataggcattg 360
aattcctcta tttcctatgt caactatttc tac 393

<210> 16788
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16788

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tgggtctgaaa atcaactatg ctaagagtca attcgggaatt tttggagatt atgttaactg 120
gtctcaagaa gctgctcact ttctgaactg tagacagatg gagattccct tccactactt 180
gggcaccccc atttgggtca gacctcaaa tcagggtgga tgggagcctt tgatcagcan 240
atttgaagct aaactcacta natggaacca gaaaagctta tctatggctg gcagggttaa 300
tctgataaat tctattttga acgctntacc aatctatcta ttatccttct ttaagttacc 360
ccaaagaata gctgata 377

<210> 16789

<211> 443
 <212> DNA
 <213> Glycine max

<400> 16789

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tgcgtcacaa ttcattgtga cagtcāāagt gccattcact tagcaaatca ccaaatgtac 60
catgagagga caaagctcat agatgtgaaa ctacacttca tcagatatgt gattgaatct 120
gagaagggtga aggtāgagaa ggtttcaaca taagācaacc cgactaatat gttcācaaag 180
atcctctcta gtgtcaagtt caagcactgc ttggacttga taaattgtga agatgcctaa 240
agcacattgg ttgaagtgca gccttgaatc acaaggtaga cacttgctga tttagagtca 300
aagtggagat ttgagggtgtg tgactcagaa tcacaaatga cacaagtgat aatactatag 360
agtaatgatg tcataactgt tttcacttat tataactgaa ttggggttgg caccaaagca 420
tagctagagt gttcatatat att 443

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<210> 16790
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 16790

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ctatacgaga catcttgcca aacaaagtaa ggtagcgat aactcgctg tgcttttttt 120
ttccatgcta tatgtagcaa agtcattgat cctgtcaagt ttgatgagtt ggaaaatgag 180
gocgcaatta tactgtgcca gttggagatg tattttcccc ctgctttctt tgacatcatg 240
attcacttga ttgtgcatca ggtcagagaa atcaaatggt gtggtcctgt ttatctacag 300
tggatgtacc cgattgagtg atacatgaag atcttaaaag ggtatacaaa gaatctatat 360
cgtccagaag catctattgg tgagaggtac att 393

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<210> 16791
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16791

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tgttgtcatt aaatcttaca tgaattgtct cttccatagt caaggtttnt gatttgtaga 60

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ctctatatgc cttggatgat tcaaagtatc caatattcca aaatcacatt ttgagtcaaa 120
ctttccaagg ttatccttgg tgctgaagat gaaacactgg catccaaatg ggtgacagtc 180
ataaatgttg ggcttatgtc cctcccacaa tacataggaa gtctttttta agattgacct 240
tatataaatt atgttctgta aataataagc agtgattgct gcttctgccc ataagtgttt 300
cagagttaag tagtcgttaa gcattgttct tgccatttcc tgaagagatc catttttcct 360
ctcaacaact ccattctagt gggatgttct tggagtacac aaattattat aataccattc 420
tctt 424

<210> 16792
<211> 243
<212> DNA
<213> Glycine max

<400> 16792
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aatctgtacc tggtgcaagg gtctgtggtt tgtgctctc tgctgaccac catacagacc 120
tttgcccttc catgcaacaa cttggagcaa ttgagcagcc cgaagcttat gctgctaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaaa aattatgacc 240
tct 243

<210> 16793
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16793

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tcatttgctt ccaaagtttc atggccttgc aggtgaagac ccgcacaaac atttgaaaga 120
atttcacatt gtctgctcca ccatgaaacc ccagatgtc caagaggatc acatatttct 180
gaaggctttt cctcattcat tagagggagt ggcaaaggac tggctgtatt accttgctcc 240
aaggccatc acgagctggg atgaccttaa gagagtattc ttagaaaana gtttccttgc 300
ttccaggacc acagccatca ggaaggatat ctacgtatt agacaactca gtggagagag 360

cctgtatgag tactgcgaga gatttta

386

<210> 16794

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16794

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atgttgcaat gagagcaaaa cggtttatcc ttgcgagtag gttttccctt ggcattggat 120

tgggttacia cacaagccat ttcagcagga ggagcataat tgggttgaac accaacaagc 180

ctatgagttt catcttgaag aaataatgag aaggtatcat caatattcgg agtcggtttc 240

atcaacaata ttgacctca agcatgggca aaactctctt tgacccccat cagaaatgac 300

atgacaaatt ccnctttgat ggaagcaaga agtggagcaa ccctgccaca attacaacta 360

tgattggcct tgagttcacc cagcttagcc ca 392

<210> 16795

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16795

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attactactt tgattttcag ccttgatatt tggttatatt attatgggat ttgaacaatt 120

tactatttcc ttatttgcac ggtatgtttg gaccaatatt aagtatgtta tttgactatg 180

tgaagtttat aattaatcta ttcattggtt cttgcttcat ggttttcatg gttcttgctt 240

cttgcttcat gatttggttg atattttttc atgaacattg tatgaatgtt tagttatatt 300

ntaatagca ctttcgcttt ttgttgatgc caaaggggga gagaaatggg attaaatcaa 360

gaactcacat gagtaattaa ttt 383

<210> 16796

<211> 376

<212> DNA

<213> Glycine max

<400> 16796

tgctttcaac tgaatttaca acgtttctaata taattttcaaa atgggtgtaat cgattacaat 60
atattggtaa tgcattacca gtgtgtttga acgttgaaat tcaaattcaa ttgtgaagag 120
tcacatcctt tcacaaaaat gttttgtgta aacgattaca atgatttggg aatcgattac 180
cagtgataag ttttgaacaa aaatcaaaaag atgtaactct tccaatgggt ttcaagtttt 240
tctaaagggt ataactcttc taatggcttt cttgaccaga catgaagagt ttataaaaagc 300
aagtccttaa cttgcatttt taagaagaac aatcattaca atcctttaca atctttgaat 360
ctctttgaac atcttc 376

<210> 16797

<211> 411

<212> DNA

<213> Glycine max

<400> 16797

tcagaaccac ttcagaataa agcatttggc attcccagac cacctgggtcc tacaagatct 60
gttagcatgg acctctccaa ggcaccactg gaatcagctt catctgttga tctttttcag 120
ttaccagcag caccatctca agctccaaca ttggatttgt ttcaatcatc tctttcatcg 180
gcagatccat ctttcaacga gaatcaactt agtcaaacat cccatcttgc atctattgat 240
tttttttccg atttttctcc gcagccttct actgtaacct cagatgggaa ggcactggaa 300
ttatctgtcc ctaaaaatga aggatgggca acttttgata tgccctcagag aacctcctct 360
actgcacaag tggaaattcc aaccactgta ccttcaaag ctaaatcttt a 411

<210> 16798

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16798

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agttgttgca caacatatgt aatgtctggc cttgtgttgg tcaaatagat caacctccct 120
attaatctcc tataagagga aacatcttct gctgaaatag gtgaccctga gtgttgatgc 180
ttggtggtgt aatcacaagg tgtagaaact ggcttagaac caagcatgtc aacattattg 240

agaatgtcca gtgcatactt tctttgatat agatttatac caatagagct tctagctacc 300
 tcaaacccca gaaagtacct aaagtctcct aagtccttaa ttttgaaagc attgtcaagt 360
 agatntgtaa ttctttgaat tttta 384

<210> 16799
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 16799

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 aacgtagtga gtttagtctg ttttcgttcc atcaatgaag tatcacgcct aagatgggaa 120
 gttgtttgcag gagcacgggtt ttcaccacct gaagtaccag ctgcgaccat agc'caatgcc 180
 attgaagcag gtggagatgc aaaagcagca gccaggtctg gagatatcat agcatgggag 240
 gcctgaaaga aatatcagtt aacagaagta gcataacgga acagaaaata aaaatgacta 300
 tgctgataca atgaactagg acaaccatt cccattagaa tataaatact tttagaaaca 360
 ctattcattc aagtcaaatt acatatttgc ccacattctc ttgttattta tcaagctaaa 420

<210> 16800
 <211> 444
 <212> DNA
 <213> Glycine max
 <400> 16800

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 cagtcgtgtc gatttgggat gactgaccct ctcatgagt cgatctcttg ctttctcata 120
 aggggtgaacc cttgggtact agtaccctca cctccagagg actacatgtc ctgccttca 180
 gagggccaca cgccctcgcc ttcaaaggac ttcacgtcct caccttcaga ggactacag 240
 tcctcgctt caaaggggtca tgtaccttta acttcagagg actacacgtc ctgcctatca 300
 aagggtcatg taccttcacc tttgtagggc aacacgcctt caccttcaga ggactacag 360
 tcctcgctt tagagggcgc cacaccctcg ccttcagagg actacacgtc ctacacctca 420
 gaggactaca cgtctcgcc ttca 444

<210> 16801
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 16801

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 atgacatttg aataacttagt atttctttta ttattcgatt agtatgattg aacatgatga 120
 ttatatattac ttgctcttgg ttgtttatgg ttatgagttt taaactcaat tattttgatg 180
 atatatgatt agtgggatgt acttttattt ggctattatg aatgactttc tggattatat 240
 gacattctat gaagtattat atttctagtg tgatgaatgg ttatgtttga ttgttttcta 300
 ttctcgtgta tttggctata ttattatggg atttgaacaa tttactattt ccttatttgc 360
 atgggatggg tgaacaagta tgttatttga ttatatggat ttcatagtta ataataaact 420
 aaaattcacg tagaattac 439

<210> 16802
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 16802

agcttgtgag cttaagttaa aaaaaagatg ttgaagaagt tgacttgact atcaagtaca 60
 agaaaagctt ttgggtctagt gataagcact tgattccaag tgtttcacca ataaatgaca 120
 agagtttcat aagtccaatt tcatgatcaa gtaaaaggct tacagttttc ccatttgtgg 180
 taatgatggg gacatttttg ccattgattt gtgtcacctc tccatcaatc catgcacct 240
 caggatcctc aacccaaacc tgtgatccaa cgatgatggt cacagggtgtt ccttgaacca 300
 atcacaacaa ggcaagaaaa agtggttactg ttaacacatg atctgacagc aaataagtgg 360
 gaaggatcca acaacaacca acatacaaca c 391

<210> 16803
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 16803

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tatataaatt aatgtgtatt taaatggtaa ttaaattgtt ttatcaattg taattacatg 120
gagataaagg aagccatttc aaattaaaaa atttgaaatg atatgttttg tttttaatga 180
gtaaacaatt aatgaatttg attttcacat atcttcta at tactata aatāgagaac 240
caattcatat aacttattat catttcttg tattcatcta gtcgattttg acacattgac 300
atatgatgac aagtgtāaga tcatattcta aagaaaaaat tacacaaaat tgtacttata 360
tgtcaatcct ggatctataa ggatttttta tataatgaat ttaatctttt attcttaatt 420
actataatca ta 432

<210> 16804
<211> 305
<212> DNA
<213> Glycine max

<400> 16804
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tagagaaact ttcgctccaa aatttgcttc caaaaattca atttcaaatt caagtgaat 120
ttgaatacaa attcagattt cctccaatt ttgtgtgaca cttacgctat aaatagacgc 180
catgcgcgcg catatgttcg actgcgatca tttgaaaatt acacttcaa tttctgacct 240
tattttaagc actcattgcg cgtcgttcta ttctctgcct tattcaactt cttccacatc 300
tacc 305

<210> 16805
<211> 442
<212> DNA
<213> Glycine max

<400> 16805
aagctttaga attataacat aagaactgtg attattgaag aatctatcca tggtgttttt 60
gatgaaattg accctatatg gccagaaag gatacattg atgatattgc tgatacat 120
gacgacatac acattgatga gaaagggcat agaggcaaag gaaatggtaa tgaataagac 180
tgtcatattg atgaaaataa aaaaaataa tatagatctt ccaacagagt ggagaacttc 240
aagatatcat gctcttgata atatcattgg tgacatctca taaggggtaa caacttgaca 300

ctctctcaaa gatgctgctg ataatatgac tttggattcc ttaattgaac ctaaaaaattt 360
 atatgaagcc ataattaatg aacactggat tattgctatg caagatcagt tatatcaatt 420
 tgaaagaaat aaagtctggg aa 442

<210> 16806
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 16806

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 ttctcaacag tcacatattt tcagttgggt cttgaatggc catcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gaaaaaaaga gttttcataa caaaaaggta ttatcttctt 180
 aaaaagcaaa atcattttat cctctttcaa gagagatatc ttcttctctt cttctttatt 240
 aggaaaaggg attaatagac tgatgggtctc ttgttgccaa gaaatctgaa cacataggaa 300
 gggttggcct tgtgtgggtg agatcttgta gcaggtctgc acaatatagt ggaactctca 360
 atcaagttgt ttggggactg gacgt 385

<210> 16807
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 16807

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 ctagaggaca cgaagctgtg caaggaaagc agcacataga tccaagaaaa gaaactgtgg 120
 accctgcacc ctttgaagat caagcagata cttttcttcc cgggttttgt aaagctgttg 180
 atgtgactgt aagaattaga gaatattctg gaaaagaatt ataactacc aataataaca 240
 gaagaattag tttattgaga caatctgtct tataattggg tataaactg taaagaaaca 300
 gcaatgattt acacgtgtat actgtctagt attataaaca tggagggagg gaagcaaaat 360
 aatcagaaga ctatttagtt atta 384

<210> 16808
 <211> 402
 <212> DNA

<213> Glycine max

<400> 16808

ccttctcagc ccacgcattc atagtatatatt gatcattaat attcacacaa ataacagaat 60
ctatccccctt agccttaaac ttatcaatat tcttcttgta aggaggaaca tgtttgtttg 120
aacaaactcc tgtgtatgca ccttgagaga aagccaaagc aaaaaatata ttactatgga 180
ataagtctat aacaaaaaaaa aagtaacaca tttctttcaa acaattccat ttcctatacc 240
ataagaagca ttcatccaac cacataaaat agtaccaaat tttacaaaac aagaccaaca 300
aacaccaaag agacacccca aaacatatca acatatcaaa aaaaattgca agttaaactt 360
actgggagcc caaagatgac aactttcttg tcttgaaaca tg 402

<210> 16809

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16809

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ggatccctgt cagatacaat actagaaggc attccatgca accttaccac ttccttgatg 120
tacaactcca cgagtttctc cattctatac ttcatattca ccggaataaa atgagcagat 180
ttggtgagtc gatcagctat gaccacaca gcatcatgcc cagactagt cttgggcaaa 240
ctagatacaa aatccataga tatgctctcc catttccatt cccgaattta caatggcttc 300
aattctcttg atggtcgctg gtgctcaacc ttagcctttt gacatgtcaa acatcttgct 360
acatatt 367

<210> 16810

<211> 394

<212> DNA

<213> Glycine max

<400> 16810

tettacatag tccgtctttg cttgaccttc tttatgctta aaaacagaaa cattaggcat 60
atgcaaaaaga tcaagaggag ttagtgggtt aaaaccataa acaacttcga aaggagaaca 120
attagtgggtg ctatgaacaa ctctattgta agcaaatgca acatggggta aacaagcttc 180

ccaagttttt aagttcttcc tcaaaactgt cctaagcaaa gttcccaaag tcctattaac 240
aacttccgtt tgcccatcgg tttgtgggtg acaagtgggt gaaaataaca atttagtgcc 300
caacttgctc cacaaaagtc tccaaaaatg gcttatgaac ttagagtcct tatcactaac 360
aatgctcctt ggcaaaccat ggagctctca aatc 394

<210> 16811
<211> 399
<212> DNA
<213> Glycine max

<400> 16811

agcttgtttg acagccaatt tgaggggaac tgagcgggtt tgacgcttca ttaaaaattg 60
tcgaactgaa ccacctttgg catactcaga tacaatgcac cataccattg gcttgccggca 120
tgcaccaatg aaacgaacta tgtagaatg ctttagtggt gccaacattg tgacctctg 180
ctggaactgt tgttccatca attgagcctt tgctggatca ttttcaggcc tctccaagat 240
tttgattgca acatcttcac cattgtaagt acctcggtaa agtttcccaa aagctccttg 300
agcaaaaggc tcacccatat tcagtttctt gatatcaatt gtccactcat caaaattgtc 360
aagcccttca gtcggagaac tattgtccat tatagcttg 399

<210> 16812
<211> 449
<212> DNA
<213> Glycine max

<400> 16812

tcaagcttgg tatattgatg ctgatgggtg agttcagttg aaagtactag cagcctgttt 60
gattgacaca ggcgatgaac tccttgtcac tgaattaatg tttaatgggt aatcaatatt 120
tgtttcccaa ttatagttta catttcatta tgttttgtaa cctgtttttt tcccttcatt 180
tcccctccac cattaggtac ttttaatgac cttgaccatc atcaagttgc tgcccttgcg 240
agttgtttca taccaggaga taagtcaact gagcatatac aactgagaac agagcttgca 300
aggcctctgc tacagcttca agatagtgc agaaggatag ctgaggtagg tgtttggtca 360
cttaacctga atgtatcttc tgaattaaac tataaatggt atcacccttt tgtcacagat 420
acaacatgaa tgcaaattgg atataaatg 449

<210> 16813
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 16813

ctcaagcttg aaggtgtata gcccaccatc tttntatact ggtaatgtgt ctactatcat 60
 tatcatcatt ttttctccgt cattgagggtg ccacttgaac tgctaggtct ctccaccttt 120
 gggcgtattc ttttgaaaga ttcgtgcccc ctttttgcac atgttctgta gttgcatcct 180
 atcctaagac atcatattga cactgcttaa cgaaggcaac cactangncc ttccaagaat 240
 ggactcggga aggttccaag ttagtgtacc aggtaacagc taccacagta agactttctt 300
 ggaaggaatg tatcagcaat tcctcatctt ttgcgtatgc ccccatcttt cgacaataca 360
 tcttttagatg gttcttgtgg caagtagtcc ccttgtactc gtcaaagtct agcaccttga 420
 acttgggagg ggtgatgata ttgggtact 449

<210> 16814
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 16814

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 gaattcaagt ttccataggt gaggaaaaaa caccaattg cacgatatgt gaaaatgaag 120
 tggatggcgg aaaaataaaa atatgtggcc atcggttttg ctccaataaa tactaccatg 180
 ttaggtgtct aacaattaat cagttgaagt catatggtca ttgttggtac tgcccttctt 240
 gtttatgccg ggtagctta actgatcaag atgatgatcg gattgttctg tgtgatggct 300
 gtgatcatgc atatcacata tattgcatga gacctccgcg gacttctatt ccaagatgga 360
 actggttctg cagataatgt gatgctggaa tacaagcaat ccaccaggct aaacacgcat 420
 atgagttc 428

<210> 16815
 <211> 418
 <212> DNA

<213> Glycine max

<400> 16815

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tcaatttcca tcctctcgac atattatgca cccgaatcgg acatctgtgt gaaaagtcac 120
gatcatttga atttctcgag agtttccgat gtttaatttc gagcgtatcg atatattata 180
accctgaatc ggacctcagt ctgaaaagtt atgaccattt gaatttgacg agagcttccg 240
ttgttcaatt tcgaatatca ctgtatgtga tgcgcctaaa ttggacattc gagttaaatg 300
ttatgaccat ttgaatttct caagagcttc cgttgttcaa ttctgagcgt ctcgatatgt 360
gattcgcctg aatcggacat ccgtgtgaaa agttatgacc atttgaattt ctcaagag 418

<210> 16816

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 16816

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gattgagact acctcattca taagcacttg taagagaaga aaataagaaa gtaaaatgag 120
taaaaatcct ccataagtt agatgagaca acttttataa gagttaagta cataagttga 180
tccaaacagg gttttagggg aacttcaa atagctcaaca aaactaaatg caacagctca 240
caaaaagcac caatgtagag ataataatgg aagcgcacat caccagaaca ttagagata 300
ataatgtaca atgcacaaac aacaccaaga aacctgcaat taaaaccat caaaacccaa 360
ttgattctaa agaaatcga taaaagttag accatcaata aaattttaaa aaagggaagc 420
aaaagtcaaa acttttccat t 441

<210> 16817

<211> 400

<212> DNA

<213> Glycine max

<400> 16817

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gcagaacaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccata 120

cctcagatgg tctagccctc agcaacaaca gcagcctgct ccttccttcc aaaatgctgc 180
 tggcccaagc agaccatata ttccctccacc aatccaacaa cagcaacaac cccagaaaca 240
 accaacagtt gaggccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat 300
 gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat 360
 gggacaattg gctaccaat tgaatcaaca acagtcccag 400

<210> 16818
 <211> 435
 <212> DNA
 <213> Glycine max
 <400> 16818

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 agctcattta cactaattta atgtagtcca aaatttaaac acatgatttg agattttaga 120
 aatgatatta attcgtatth agtaaatgaat atcatgtttc gtaactatat tagctcttat 180
 atttcatatt tatattttct attattcctt tgaacaatt tatacttcaa tgttgttctg 240
 agactcctca aatctatttg tgctgcaata gttcaactat ttcatttgaa ctggattggc 300
 gtagttggta tgaaattggc ttacctgaat tcgttacaaa taaagtagaa aatttatata 360
 taaattggtg gatggatttt gttggacaat tgtgctataa gtagtacata tacatgatca 420
 aacaaaacat gataa 435

<210> 16819
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 16819

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 gtgggtggaat ttgaacttcc gcggcagcag tgtgtggttt acttgatct gaagcgggag 180
 gagtgcacca atttgttccc atctggccga gtatattcac aggcattcca tttaggtgga 240
 caagggtttt tcttatcagc acattgcaac atggaccaac agagctcttt ccattgcttt 300
 ggctgtttt taggaatgca ggaaaaggc tcagttagct ttgccgttga ctatgagttt 360

gctgctaggt caaggccaac agaggaattt gttagcaagt acacatgcaa ttatgtattc 420
ac 422

<210> 16820
<211> 389
<212> DNA
<213> Glycine max
<400> 16820

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tggaatagtc attgtttcct tgtatgttga tgacttactt atgacaagaa gttcaaagga 120
gctgattgaa gagttaaaag gaggaagaa agaagccttt gaaatgactg atcttggaaa 180
aatgttcttt ttccttggtg tgcagggtgca acaagataga ggtgaagtct ttgtaagtca 240
agaaaaatat gcaaaggaaa ttcttagaaa gttcaagatg gaggaatgca agccaattgc 300
aacgccaatg aatcataagg agaaattcag caatgaagat ggagctgata acgttgatga 360
aaaactgtac aaaagcttaa tatgatgtc 389

<210> 16821
<211> 411
<212> DNA
<213> Glycine max
<400> 16821

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ggcatcattt ctggctctaa actgttgaga gttggaaacc atattctcaa ctaaatttct 120
ggcttcagca ggggtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct 180
ctccatgtta ctgagtcctt cataaaaaata ttcgagaaga agctgccttag aaatctagtg 240
gtgagggcaa ctggcgcata gttttttaaa tctctcccag tattcatata ggctctctcc 300
actaagatgc ctaatgccta aaatatcctt tctaattggc gtggctcctgg aagtatggaa 360
aatTTTTTtc taagaatact ctcttgaggt catcccagct cgtgatggac c 411

<210> 16822
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16822

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ttcagatcat cccgtgttgc caacaattcc aagaaagaaa cgtaacgtgc taacttccct 120
tctctttgga aagaaatctc aaaactctac aaacaaaggc accaataagc tttcttctgt 180
tggtgttgtg gaggaattat ttgaagaggg ttctgcaatg cttacagaga ggtaactggg 240
accataactg ctaaatttat atttgcattga tgtcatttga agtttaattg gtcaccatca 300
tggtggaaag agagaaaaaa tgantccttt tcccaatac atctatcttt gattctntaa 360
atttcggact taaaat 376

<210> 16823
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16823

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gtaatggaga aggaagagag agaggagacg ccacttcaag gagaagatga gtctagaaga 120
agctcaccac cataggaggc catgaataag agcttggagg aagaagaaga tgaatgaagg 180
gagaggaaga gaagagcacg aaattttgtg ctctaaaaga gctataaaat ctgaagtta 240
attttcaa at gatcaaagtt gaaaaaatgc acacacatgg tctctattta tagcctaagt 300
gtcacacaaa attggatgga aatttgaatt tctattcata tttcattga atttgaaatt 360
aaatntgtgg agccaaaatt tcactaatta tgattagtga attttagcta tggttcagcc 420
cactaatcca agatcaagtc caagaatctc cacta 455

<210> 16824
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16824

catgttgnc tgggttttaaa tttcgagcgt ctcgatatat gacgggactt aatcggactt 60